

ctacacttta acactttagg ttcctaactt gggaccctat atttttcctt taacactt 418

<210> 22669
<211> 340
<212> DNA
<213> Glycine max

<400> 22669

ttgcttgcca cccagctcgc ccaggcgagc aagggttgctt cctccagaag caacagcctt 60
ctggacgaat cttttggatg gcacaagtgg gcttgaatgc tatctgcacc aacattctac 120
tcaggcacc cctgcctttt ttggtgatc tttcgtcagg aagttacgga aagttacgaa 180
cgtcctaaca agacttgcat tctttcctca tcggtactca accttgagga gtaaatacca 240
tccacattct acttatggaa tgtatcgacc actactaatc gcgcagcgat gcttgcattt 300
gaattcacgt gtgacacaca accttaccga ccggtgcatca 340

<210> 22670
<211> 321
<212> DNA
<213> Glycine max

<400> 22670

tgtaggatat tcaaacgaca ataactttgt actcctatgt ccgattgaat cgggtaatat 60
atggagacgc taaaaataga gactagatgc tctgagcaaa ttgaaatgac aataacttta 120
tacacggata tccggttgag taccgtaata tatcgagacg ctccaatttg aaaactgaaa 180
ctcttagaaa attcagacga caataactat tactcggatg ccctatagag tgtcattata 240
tatcgaggga tgcttcaaatt tgaaaacgga agctcgtatg aaatccaaac gacgataacc 300
ttttactagg atgtctgatt g 321

<210> 22671
<211> 347
<212> DNA
<213> Glycine max

<400> 22671

agcttaccta attaactaga aattgagaga gaatgattat taaacacaca aaatataatt 60
tataagtatt tattacctat ctttaactaa aagaacttat aacactacaa aataaccata 120

aattggagga gtttgataca atttacacag gttttatata caaaagttag ttgtattcat 180
 cgactaacia aggaccataa taatgggtacc ctaagggaat caaagagtgg atgctccttc 240
 ctttcattgt atgagtggca atgacttgcg aagtctgtga ctcaagaagg gtggcatata 300
 taacagggac aaaggaaagg aaaggctaac gaaacgagaa tcggatg 347

<210> 22672
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 22672

ctccaggat tgatagctat atcctcagtt gggtcttcgt acatgggtact tgatgtaa 60
 actcttatat ctatctaag acgttgcatg tgtactctgc gctcagttaa ggtcattcaa 120
 cattgagaaa tgggtctgac cttataacta gataagaccc ggctagatta tcgcatatcc 180
 actaatgac gcggtaccgc aaccgaggag atgggtacgaa tgtcttaag cacccttggg 240
 caagtcctat ttcaacatga tggatctgat gatgacgctt ggatggatta gactaaacat 300
 gcatgagaca ttgttggtta gccgtccaag agacaacgct aaac 344

<210> 22673
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22673

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 ggccaccncg tgtgatagct cgtagcaggt acgagcactg cagagtcttg cgcattgtga 120
 tcnattaagc acatgcngag acccangana aagtgcagc atgatgcata tgtctctaca 180
 tctactatca ggagagggtgc tcnttatntc gcacaatcat actagtagtt attgcttgtg 240
 gatgggtatcg tatctcgaca agtatgatct gtacaacata atctaataat atagatgagc 300
 aatatttgtg tcttatcaca ttgttgctga tctatatatt gctccatggg tcctcgggtca 360
 tcgggtgacac aatctcgatg attactagcc ctgaaactta tcttggttaa tctctatcca 420
 taacgactaa ctgtaaaactc ttgctttatc atgcatgcac ggatgaggtg ccactatact 480
 atacatatat gaacatacat atattagctc agaaaataat gcatgcacaa tcctgaggat 540

acggctc

547

<210> 22674
<211> 314
<212> DNA
<213> Glycine max

<400> 22674

ctttagacgc tcacacattt caggcaccta ttagatattt ttgactttc tttatcttta 60
ttgggctatc aaatcgatc acctatctga catatatact tttctctctg ctatgactct 120
tactctctca aggtgtcaca taccgatgg aaatatatgt aggtttatac tttttaaatg 180
atcagtgaac tcaatcaatg atgaatatag gcgtcctcta aatattgaat accacgacat 240
attatccaat gtattattag tagttccgac aatcaatact gctagaaaaa agatattcta 300
cgacgattag acct 314

<210> 22675
<211> 374
<212> DNA
<213> Glycine max

<400> 22675

agcttctttt tctttggcca atgctggact tgcttggcag tgatttcctt ggcaatttga 60
tgctcagaaa tagcaatatc caccactcct tcagttggtc tgcccaggta cttggtgatt 120
acagcagggg agaatcta atcattttcct ctgacaaaaca ctttctgata ctcatcactc 180
tttctgtttg ctatgtcaga ggggaatgttg acaatgaatt ccctgactag actttcataa 240
caatcaccca tcttggtgac agttttcagc agtccagcag ccttgatgag gtccatgac 300
tccttgcaat ccaaggcatc tgtgtccagt tctctttcta aggcaagtct gcgttgatat 360
acaaatctcc acct 374

<210> 22676
<211> 408
<212> DNA
<213> Glycine max

<400> 22676

tcggaagaca gtgatgaggt acaagcccta aaagcttata ttgaaatata ccgggtagtc 60

attgagaagt tcaagtccat agccatcaaa gtctgaagag agtatgatga actaagggac 120
 gtcaatatgg ccacagctga agccttggaa cgagaaacca agaaggcccg ataggaagaa 180
 cacgacaaa gcaaagtatt gaggggcttt atagggcagc aatagtgatc tcaagctctg 240
 aataggtgaa aggaatcatc acgggtcaaa ggcagatctt tgaaagacga gctaaagggt 300
 tgccttatgt cgaaaagaaa tctgtcccaa cagttaagcg agactgaatg gaatatgtgg 360
 gccatcatcg ataagtgcaa agagaagcta aatctatcgg cgactcac 408

<210> 22677
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 22677

agcttgcttg ggcacactcc tccttccatt gttgacttca aaatgacca gttccaacca 60
 ttgtgtcaca atacctgcaa caacgtgcc aaatccttaa tacaacaaag gataaccttt 120
 gcttcatctg tcagagtatg gagacacaag ctaacaaaca tagtaggact cttacctttg 180
 ttgaaggaga atgagtttgg cagaaactcc aaatgtacta ccaaactttg gtcagaagcc 240
 aacttgccac taagtagagg cctcatttcc atgggacttt tcaagttaag tgtcatatag 300
 ggacaatggc gtatgaactc actcttctag gctctgcttg gattcatcct atgggtgcatg 360
 tttccatact tcacc 375

<210> 22678
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 22678

tatgagactt ccaaattcta caagaagaag accaagattt tccatgtatt tttgatagct 60
 aagaaggact tcgtgggttg acagaaagtt ttattatata actctaggct caaactcatg 120
 agtggtaagt tgagggtcaaa gtggatttgg ccttttgttg tgactaatgt ttttccttat 180
 ggaatagttg agatcaaaaag tgaatccaca gataagagct tcaagggtcaa tggacaccga 240
 ctgaaaccat tcctcacaaa tcccttctta atggatgtaa tggtagagga gacctcctta 300
 cttcacccta cttctcttct accatgactt aggaagttct ctcttctatc tccttcttta 360

cttttattgc acttgtccaa atttattgat tgatttgatt gctcttgatc ttatgattgt 420
gctacat 427

<210> 22679
<211> 375
<212> DNA
<213> Glycine max

<400> 22679

agcttgtctt ggttctacta tggaggctgg atctttgagc tttagtgcacg tcctttaatg 60
gtgattttcc accatggaga tgcagcggaa gacaaatgag acgaggttat acgcggcgcc 120
atccactagg gaataatcca tggaagaagg agcttcacca ccaagatgag ccttggataa 180
aaagcttggg caggatgctt caatggagga aaagacagag ggagagaaaag agagaggggg 240
gagcacgaaa ttgaaggaag atacaggagag agaagttgaa ctttgagttg tgtctcacia 300
gactctcatt catcagagtt acaacaagtg ttacacatgc ttctatttat agactaggta 360
gcttgcttga gaagc 375

<210> 22680
<211> 425
<212> DNA
<213> Glycine max

<400> 22680

tcctcggagc cattcctgcg aaggcaaaca ttggaatgt tagtttttcc agtgggacgt 60
ttttcttaaa gcaaaaatgg catataacct cttcccataa atacaaacat caatgtaa 120
ttagagcaag cttatgcgca tatttcctta caaacgttct cttgcacaag acattctatt 180
aaccgaaaaa aatgcaccca tatacaatca aggcagcttc gttacctaga ttatttacac 240
gtacttccaa ggtgtatttg ttacttacat cacacacctc cttggctaaa ttcacataca 300
tgcatactca aagcattttg gggtaccaa aattgcacat gtgcacatct tgggtatttca 360
caaacttcat gatgaatctt gactatctac acaataaggt gctacatttt atgctctttt 420
caagt 425

<210> 22681
<211> 373

<212> DNA
<213> Glycine max

<400> 22681

agtatttgta ctgtgactga gtctctagt cctttcgaca atcccccaaa catcagtttg 60
ttagttttac aaatctcttt atttttcttt tctttttcaa agtatcatta attgaaaaag 120
tgcaaagtca gttaaaaaac ataggatact aaacaaagag cattacaata atgcatagct 180
attaaataat aataacgcag gggctcacgt ccaaagctaa ctagaagttt ctgcactggt 240
gaatgaaagt ttttaactat tcaagtcaaa aacatagaag gaaggagttt gttagattaa 300
ttttccatta ctccaactga aaaacaaaca cgcccttcat tggatataat gttcgttgat 360
attgggagaa act 373

<210> 22682
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22682

agatgaanac ttgctttata tgaactttnt gcgagttaag cccagattaa accatgattg 60
gattgattaa aaaattccat atttagtgct caatattaaa gcactaacc gatattccat 120
tggacaggtc gatcggcctg gtatgcatat caaatattaa ctctgatcca atatttaaag 180
aacaattacc taatttattg atgccaataa aaatagttag atgggttaat gtcataaatt 240
ttaattttat tccatataat acaacaacca taaatcaata actataataa cattaacaat 300
aataaccaca acaacaatac ctagagtatc tctaataat caacaaatat aatataaata 360
acatggtgtt aaaaagcagt cttctcctaa tacttagaat tcgggtgtta ctgaaacaag 420
tagacaa 427

<210> 22683
<211> 381
<212> DNA
<213> Glycine max

<400> 22683

agcttcatga tgattattca agttgattca agtagttttg atgataacaa agatgatgat 60

aataagccca agagaatgat ttcaagattg agtcaacaag tttcaagaat caagagaagt 120
 ttgatttcaa gattcaagac aagacgaatt tatgattcaa gagacgaaat caagaagact 180
 tcacaaggga agtattgaaa agattttttc aaataatcat cgtagcacag ttttgttttt 240
 cagaagagtt tttctcaaaa ttttctaagt taccagagtt tttactctct ggaaatcgat 300
 taccagtttc ctgtaatcga ttaccaatgg cgaagtttga tttcaaaagt tttcaactga 360
 atttgcaacg ttccaattga t 381

<210> 22684
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22684

ttgacacctg ttattacgtg acactatcta gtactcatgc tagtgatatt ngttaatggt 60
 tcttactaat tgtggttatt tgattntttt attaatttct tttatagtaa actcaccctt 120
 cgcaattttt gtaccgtgtg gttagtagct gtgatgatca cgaacctttg ttcgtaggag 180
 cagaatgaca acagtagagt aggagaagtg agattctttt gtggagctgt cgagccaaca 240
 tgatgacggt gggattattt tggtagagag ttgtattttg ttaatcaact cctctgtagt 300
 tggttacata attctttttt ttgaattgag gatgtaaadc acagatttag gtatatgtat 360
 gaacaaattt actttccatt atgtgaatga tgtgtactga gttactatat atgtgtgtgt 420
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgcgtgta 469

<210> 22685
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 22685

tgtttttaac attgtttcac ttacaagtga tcatggaggt gaatttcaaa atgagtcttt 60
 tgaaaagtgt tgtgaagaaa atggaattca ccataatttt tcagcccca gaacacctca 120
 gcagaatggt gttgtggaga ggaaaaatag atcccatgaa gaaggaacta taacttttac 180
 aattgaaaca aagttacctt agtacttttg ggctgatgct atacatacta tttgctacac 240
 tttgaacata gtaattataa gacctacact aaatcttatg aactttataa aggaagaaaa 300

caaaatatat ctcaattgag ggTTTTTggt tgcaaatggt ttattttaaa caatggtaaa 360
gattctecta g 371

<210> 22686
<211> 417
<212> DNA
<213> Glycine max

<400> 22686

tttcttccac aatcaatttg tctactgact aacagttcta attgcaagtt ctcaattcttg 60
ttttttcttt gtctaacata cacacttgct caaactcatg aaaagaaaca caaactccat 120
cacaatcatg cattcaattc aaaacgaagt catacaccaa ttttcaaaga ttggacctct 180
tgctagtgtg tattattgaa taacttaaac tcttgtgctt gagtgaata gtagccgtga 240
gactgtgggt taagatactt tccttgatat ctatcttatg tctaactcca tctaattatt 300
cagattacat tttatttttc tctttggata ctgcatacct tgtgaaaaac aagcgatgag 360
ggcatttaat ccattctctt atcatgcaat cagtaacttt tgtagcatac acctttg 417

<210> 22687
<211> 285
<212> DNA
<213> Glycine max

<400> 22687

agcttctagc caaatggact taccttgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg aggggttttt 180
gtttcattgg acaacttggt ttgttgacta tgcttcatga tgtatttttg gccatacttg 240
atgtacattg tatattggat aaatgttgga catgctgaat gaaat 285

<210> 22688
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22688

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 tggatatgca tgtatatagc aaaaatacct cacaaaaata tacatgttta ggtagcaaaa 120
 tacctaaaaa aaaacaaaaa caaacaagaa aaaaaatata tctttcggct gaaaagccaa 180
 cacatttttg aaaagaaata acttctagct tttcttttaa aaaagattca ccatcaaaa 240
 caaagggttt ttttttgaaa aaaatgtgta tacacctgaa gggatgaatgc tgtgaaaatt 300
 ttcccgaaca cccaaaatgg actcgaatga atgcatgaat tgataaaaga acatgttttg 360
 gaaacactgn gttaacttaa tcgggaaaat taatcttgag ccctagtgtc atgtgaccat 420
 aa 422

<210> 22689
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 22689

tggcagcttt ttccatcgtc gctatagatt ggtgcttgta atggcgaaac gtatgtacca 60
 ttattttctta ccttttttat ttggaccagt gttacttggt ttttgagcat gacagttatg 120
 cacagctatg aaataatcat aacatacggg ctacagtgc aagctaacta gaactttctg 180
 cactgttgaa tgaaagcgat taactatcca agtcccacac atagaaggaa ggaggtcgct 240
 agattaatgt tccattactc ccactgagaa gcaaacacgc acttcattgc actatatgct 300
 ccgctgatat t 311

<210> 22690
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22690

tgttcccttt tgggctntgg agtttgcttt atcccattaa taacagtatg tttctatctg 60
 atatcatcta taattattct ttttggcagt tttttccatt gttgttaaag ttggttgctt 120
 ggaatggtga aaggtatgta ccattttttc ttcccttttt tatttggtcc agtttttttt 180
 tttttttggg ggggg 195

<210> 22691
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 22691

ttacatgtta tggaatcaga ccagagagct taaagtaggc gctacataaa ccagcataaa 60
 ccaccaatcg ggtagttca atttactaca tggaaggaaa cacaaggga gtggtgaatg 120
 gtgatagcat gacccataa aactcccact gaagaaaccc gctatggaat ctagattaga 180
 taatctatag gccagagttc acgatcaaga ctatgaacaa tgaatagccg agtataggaa 240
 actttgaaac gagaatagcc agtaacatag agggagagac ctaaacaaaa taattctgac 300
 aaaaacattc aagcaaaaca caaccccaaa aatgtatagt gagatgttca cctatgggag 360
 aatcgtgata cag 373

<210> 22692
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 22692

gtgattatgt tcacaccttg tcgaaaagcg agggactggt gacttatatc aaacctattg 60
 catgtgtcag aaatataccc aataagaatg tagaatgctt attgcctatt aatacacagg 120
 tacagcgtaa acaatcatta ccgaggagtc tgcttatttc acatggatga ccgaaggcac 180
 aacatctgag ttagatgcaa gaataagatg cataatgaaa catcttggtt tatacaaacc 240
 attacgagac tatcaaatga caacgcatat ttactttaaa tccttacggc atacaatatg 300
 cccagctatg gatttacaaa tcgagcttac acaaaccttg gcag 344

<210> 22693
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 22693

tgcttcttta aataaatttt tacctaaaaa aaattattaa gttaaaatta actcatatat 60
 gaactaatc atatgaattt gatcgagaga ataaaaaaaa taattaaatt aaaacaaaat 120
 gtataagata tgaaaccttc ctgagatcta tattattttt ctctactttt tacctttcac 180

tctttgccaa agttcaaaca caagctaaaa tatgagagct tttttataaa ttaacttgtg 240
 catatgttaa ttttatcttt aaaaaaactt gttttaattt attttcttat cttaaaagtt 300
 ttattttttt gaataaactt acccaaacac attctagtgt tctagcagtg caatgttaaa 360
 atgttaaaaa aacaacattt 380

<210> 22694
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22694

ngatctctta natatgcgac aatttttata aaatcatgta caactttaga tgtaaccctt 60
 actaaggaat ttagttgggg tactgtttca tttcataaaa gaatactatc acattattgt 120
 tttgcaattg caaattaaag aataatttta cttgttgagt aacatcggtt tacaatttgt 180
 tttactcaat tatatatata acttttgaca aacctaaatt ttcataatac aggatgtctt 240
 ttgtttctcat tttcaaacta caatataact tgttttctccc tctttacgta tccttggtcg 300
 ctaacttttc tacccttata aaccgatact gtctccatgt gcacatacga caaatagaga 360
 gctagtgaat gcctttattc agaatcatag aattcaacga acattacatg ttttt 415

<210> 22695
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 22695

tcaagcttga agattttgtc agaaatctag tactctcatg ccacaatggt tttcttttag 60
 accacaaata ccttcttaca gaatatattt tatttgaact tgataggatt actttaaatg 120
 atgcaactgt ctttttaatt atttaacata gttgaatatt ttgaattcaa attcaaaaca 180
 tctaattaaa ccgaaataat ttcatgtgaa ttgatcgaga cttggtggtg tcacaatgag 240
 tttataccca ttttaagttga caagtttgga agttgaatta gccagaactc ttgcaaagtc 300
 aaatcgtaact atgtttcttt ctctcttggt tttctgtaat cccagtgaat atacgatgaa 360
 tttgtgta 368

<210> 22696
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22696

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 cttatcccac tacgtgaggt cagctatatg gatcātacaa tgccatttgg catggctaaa 120
 aaccaaagtc ttagtaatat ttttttagcat gagatcttct ctgacaactt cctctaacgt 180
 cttgtagaa accaatttta aaattgaagt aaacaataaa agcaactaga atcatttttg 240
 ggggcacaag gtaattgctt ccttttatgt tttcaaagg t aagaaaatca acttcttaac 300
 tcttttaagt ttccaaagat tctcattaga aaaaaaacg attccaaact tggagttttt 360
 gttaccgctg ttgccccta taatcat 387

<210> 22697
 <211> 363
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22697

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 aaagctgaaa agtcaagctc acttcatggt aacaaagatg atgacattca agaagtgagt 120
 caagattgag tcaagaacac ttcaaggatc aagagcaa t ttgatttcaa gaatcaagat 180
 tcaagattca aagattcaag aataatcaag atcaagattc aagactcaaa gattcaagaa 240
 tcaagagaag acttaatcaa gataagtgtt aaaaagtttt tcaaaatatt gagtagcaca 300
 agaagttttt tacaaaatca ttaccaaaaa gttntactct ctggtaatcg attaccagat 360
 tat 363

<210> 22698
 <211> 403
 <212> DNA
 <213> Glycine max

 <400> 22698

tgtaaaatta attcagtttg gtcaaaatta tttatttttag gaaaatttat ttttaccaaa 60
atgtgtaggc tcttattatt ctttttatta caaatcatag ggatgcaatc ttgggttttgt 120
aaagccatat gtccactcgt atgttcttta gttatttttg gaattatgct tttttcaaaa 180
ttttcgtaaa gaaaatctac agttttttct atttggttca atctgatttc caaagtggaa 240
atcctattgt ttataatfff atttccataa tcattttctt tcttaaagtc tggaaattct 300
atftttcaaaa tagtttgtag acaagtcttg caaaaattct tgtaccataa actacagtga 360
gctcttaatg ttttgtggag atatctttta cagaaataac att 403

<210> 22699
<211> 377
<212> DNA
<213> Glycine max

<400> 22699

agcttacgga ttacgaatcc taagtctctt atggattatg aatccgttta ttggtagggg 60
taattttgga aaaaataaaa aagtgttgag tatataagaa aaacgttggg tgccaaagaa 120
attcccaatc cctcatgtcc tgcaattctc tcattttctg gtagaaaaac atggaacaac 180
tttaaggata aggaaatcaa gcaatccatt tgacataaat catctttctc tatttttttt 240
tatagtatag ttgttgtatg ttggttcatt aacaaccatt agttagtctt cttactcttt 300
accaacttag tatttttctg ttttttggtt ttctgttata acatgtaaca gttaattagt 360
tttaagttgg ttggggtt 377

<210> 22700
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22700

tgtagacta tggggtagcc atcacatgtg gtactagggtg gcgatcgggc gatggtgcac 60
agcaagtttt ccacatccac aaatcacgta taaaccatc atcccttggt gccacctcc 120
aactgagctc acgtactccc acgtagccca tatctctttt cctctcaacg ccgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcca ggtaattcaa catcccatca tcacaaacta 240
acaaaccaag caaaacaggc aaaggcagaa aactctgccc agaacacaaa ccaaaaatca 300

cagctttttc acatacaaat actccagtaa cattttcttc gttccaattc gtttaaccgtc 360
 ggatcgactc gaaaatttta atggaagtct ctagtacata agtctacatt ntgaccgttg 420
 ggatctacta 430

<210> 22701
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 22701

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 tgttgatgga gtgcgccatg taatacgtgg aaagctgggg ataaggactg tgaatggtat 120
 atatcaccca tacaatctga atagagaact cagagaataa agcattggcc ttcggaggta 180
 gacccgataa tgatcatctg ctgctgcata gtcggagcca cactgtata gtaaggactt 240
 aaccatgata ctgctgtagc tacagagtct ggatt 275

<210> 22702
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 22702

actcaagctt aaaggaccac tcaaaccagg tgtatttacc cccaatgtct agactctgaa 60
 gagtctgtta gggctctctc ctcttgattc aggtccaacc caaaaaacat tttagcacac 120
 acactctatc tatgaagtgt acaaaacaca cgactcctca attattctca aaataatttt 180
 ttctcgttgc gcttgtgatt aaactcctcg ggtccccaca gtggttccca tcacaatact 240
 cttcgcatat taacttgtcg cccttaaagg gtcttatagt cgtgtgatta tacgtttcat 300
 agtcacaac tcaatgcaca caacatctca atgcacatat atattacaag tcaatacata 360
 ctcaatttat cacatacact cagtctcaat cacaatggta taattccaaa gtagcatgtt 420
 atcacacctc atgaatc 437

<210> 22703
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22703

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 tgactanaan anacaaagaa aggagananc tgatgcctcg tgaatccctc gcaaanncaa 120
 cgcggaaccc ggcgatgctc tagagtagac ctgacagcat gcaagcttac atattgtttt 180
 ctgacgagag gccagcgact ccaagggact gaagatagcc aacaagaaga aaagaagcag 240
 agaagcgagg cacacatcgt gggcaccaaa aaggtgacaa tgagcataga gagcacgatt 300
 gaacctataa caccgaatgg ataaagagcg aacgtgatac taacaaccag taaccgagag 360
 ataaagatca caaaacgata agaaaaaaca tcctaggatc atacaggcga cattcataag 420
 cccagataaa gtagagaacc gcaataatgc cgaccacaaa gattacgcca cgagaatgtc 480
 gctgcatgat aatcaaacat gaagtaactt ctgttgaacc tcacaaactg aggatataca 540
 cggag 545

<210> 22704
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22704

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 cccccccgcg ccgggcactt gaacctgtag acctcacact gaacctccaa tccagtaccg 120
 gacgaaacgc gacatggaag tttatggacc tgaccacata tagtactata agaacttg 180
 aatgtaacaa cacgtgcaag cccctatcaa tcgctattca ccaatgcaaa gcacagcata 240
 caggtcatgt aaagccaaaa gaacacactt acgtgcatta gcgaaccttg gaaatgcgcc 300
 ccaaaaagca gtgcgcgcaa acaaagtaca gagtcatcca tcaggggcac accgtatacc 360
 aaacagaaac aacacctgat tcacagaaaa attccaacac atcactatcc catcacaata 420
 tggacaactc aagacaacga tgggacggca ccggcactag aaatcaaacg agagagacac 480
 acctccgaga gaacatcaac aggttggggc gagatcccag acagacaaac ccacn 536

<210> 22705
 <211> 382

<212> DNA
<213> Glycine max

<400> 22705

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tcaaatagaa acaaacttat acaaataatt gattcccaga tttctaaaga tgtagaaaaa 120
agtattaaaa aaaacaaaaa acattgttta gattttttta cgtgtacatt attttatata 180
tcatttgttt aaaaaatttt atacttgtat tatttgggtc atttttttgt attaaatagg 240
taaaaaattc tactcatgta aaacacaaac ttttgtaagt tttgttattt gaaataaaaa 300
aatttattgg gtcccatatc tcatttaatg tttgtctctt gatattgtag ttttaaaaaa 360
aatcatcgg tttttggata at 382

<210> 22706

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22706

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atactttatt tatttattta ttttataaaa aaacatttaa tgtgaattta attgattaaa 120
acacatcact taataaatca ttaaaattta taccttaatt tatatttttg tattaaatta 180
aataatataa taatgaagga aaaatccctc gagaaaaaca taattttag aaatgaacca 240
ctcctctcac attaaagttc taccaacaca tgtatggggc gtgtacagat attgttttta 300
tcaggcgtat gagaatgggt ctatagtacc cttttgagat cctatccatt gttatccata 360
ttgatgatcc atttttgtgt tcaagagcta ctcatatttt ttatactagt aataggtata 420
attntattt 429

<210> 22707

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22707

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ttaccctcgg aagcaaaaaa gagaaggaaa atttccaatg aaagcaaaaa agaaaagaag 120
 gaaaattccc cgatcaaaga gtgggagaaa gcaaaaagaa aagaaaggaa attcccaatc 180
 aaagaatggg agaaagtaaa aaagggaagg aaagaaagtt cttgaaggaa aaaacagaag 240
 gaatatgcag agaggtcttt ggaccagaca atatctgaac aatacagaat tgtcaccaaa 300
 tgaacgaaaa aagaaggaaa gggaaccacg acctanaata gtcttctccc tttgattacc 360
 aacaaaaatc ccgtgcgcta gcga 384

<210> 22708
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 22708

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 gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
 atgtccagat tgcaactatt ggccacaaaa ttcgaaaatt tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
 gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
 ctcatgtggt cccttcaaac ctttgagcta ggactctcgg ataggactga aaagaagagc 420
 aaga 424

<210> 22709
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22709

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 tgaccactgt tcttccttcc cgcgatgctt cttttcatgt cgcctgagt gggcttatag 120
 cctaaaccat acttcccacg atttccttgg gtatttatca ggctagttat gccgccgttg 180
 tctttgccta aacccatccc gggttcataa ccgttcccca acataactcg ggccatcatt 240
 actgctgcat cggacagaca aggttgccca gagagggagt ccacggagga aatgctgacc 300

acctcaaaag actggatagc ggtttctaac gatttttctg cggcttccac ataaggcata 360
gaggatgggc ag 372

<210> 22710
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22710

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atggccccga gcaagcttgc ctcaaagagg tccaggaagg ataaggcggc tgaagggact 180
agtttcgctc ctgagtatga cagtcaccgc tttaggagtg ctgtacacta gcagcgcttc 240
gaggccatca agggatggtc atttctccgg gagcgacgag tccagctcaa ggacgacgag 300
tataccgatt tccaagagga aatatggtgc cggcgggtgga catcactggt tactcccatg 360
gccaagttcg atccagaaat agtccttgag ttctatgcc aatgct 405

<210> 22711
<211> 372
<212> DNA
<213> Glycine max

<400> 22711

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taatcgatta cacattgtaa gatttgaatt caaatttcta atgactgttg taattatttt 120
cagctgcttg taattgacta caatcctcat gtaatagatt acatgccttc aaaaatattc 180
aaaatcattt ttaaaagcgt tttaggaagt gttttggcca ctggtaatcg attacatcct 240
ctggtaatcg attactagag agtaaatctc ttgtaaaaat attttagctt aaattcattg 300
gccaaacctc ttgtcgtttc aacttggaat tcccttcta aatcactaga gattttcttg 360
atgatgtatc tt 372

<210> 22712
<211> 390
<212> DNA

<213> Glycine max

<400> 22712

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cctttccttg ttttgaagct tactacaagc cttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180
cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct caaaggctaa 300
aaaaaaaaa aaaaaaaaaa aattcgaaaa aaattcggaa agaaaaaaaa aaaaaaaga 360
aaagctataa agttgagtga ataagatctt 390

<210> 22713

<211> 371

<212> DNA

<213> Glycine max

<400> 22713

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agaaaaagat cattgtaaac aggtgtagca tttgttgcta gagaaatgat tatttggact 120
caccaggttc actatagcag acttggcttt aactttttca gacagcttca aattaattcc 180
atttttcatt atcaaattga tatgaagcac atgatcaaat ctttcacagc ttttattata 240
gtacagagat tatcttcaca tgaatggatg ttctttttta tataaccaat gatttttatt 300
agatatatgt ttcatagttt taattaaaaa aatcaacatg tcattattta ttagaagaat 360
ctgatgacaa a 371

<210> 22714

<211> 408

<212> DNA

<213> Glycine max

<400> 22714

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gcagctgaag gatgctatag gggtcttgat ccttcagatt cagtctttgt ttcttgtttg 120
ttctttttct tggatttatc tctcattaaa aaaatatcaa tgaaaaatat gatggattaa 180

ctggttttcc tttttctggt atcggagaaa agataatgat tttcattggt ctcattatcc 240
 agtatttgga tttgtacatt ttttattggt tattatctat tcattcatta tattagtaaa 300
 ttttagttgt ttttaaataa caatatttga tgccaaaata aaataaaatg attagaactc 360
 aaggatttaa ttaataacta ttatttcatt tatcatttat aattattt 408

<210> 22715
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 22715

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 tgtggtacct tacagattca ttatgttaat tagcatatct ttaaataagt gggctaattg 120
 aaaattattc acaattatct atttgaagat gatgatacgt atatatattta aggataaaaa 180
 gagaataaaa tattctaagc taacaattaa tattgcaaca aatactactt tatgtatcat 240
 tccaaaacat atgagtgatt accatactat attatttatt gaattctgaa ataaactttt 300
 agatagtgga acatagttaa atgctagcta aaatgactcc tcagatgtag cta 353

<210> 22716
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22716

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 taggtggcaa gaaggggtat tatgtgtcta ggctgtgac tcaatcctac atgaagggtc 120
 ataacaatga cctattatca ttttggttgg tgctggtgta gactattctc caaaaaatat 180
 aattatgaac tctacaatag aggccacgta actgaaggca gctaattttc atagcctgaa 240
 caagatttgg ttntaattga cactatttga gtcccattct taaatatatg atatgtgggt 300
 ccaatgataa gcaagactac ctgtcacttt atcagtaaat ctggagggtat ctcatcact 360
 agtctttatt ctacttcaga ctaactgctg attttattcc tgactaatat gtatttcatg 420

<210> 22717
 <211> 370

<212> DNA
<213> Glycine max

<400> 22717

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tcttgaagaa cggctcgagaa tcttcgagaa attactcacg gaaacggttac ggaagcgcct 120
cggctaggat tttcttcatg gaaataatct tcctcagcaa atgcgataga gggagaagtg 180
cctaaggggc tgaacccttt tcttcttcac ttcttccctt atatatagca aaatatggga 240
gaagctagcc tgccagctcg cccaggcgag caaggttgct tcctccagaa cgaacggccc 300
aagtgggcct ggttgctatt tacaccccca ttataactaa atgcaccccc tctctatctt 360
tttgtaattc 370

<210> 22718
<211> 408
<212> DNA
<213> Glycine max

<400> 22718

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atgcaaaatt caggctaaac cctgctatc attcgttatg ttgaattgaa tcattgttaa 120
atttctcttg ttctagctga gggtacgaaa tccttgaata tccctagagg tgtaagccac 180
gtgcttttca gaactttaaa cactgatagg tgagtttgtt aagttacatg aatcatgatt 240
gctgtcgga gattttcttc ctgtctttct accataaaat aaatgaagtt attaaagttt 300
cttcagtgat tctctgacgc agcttcattg gtcttgcaga tacatgaaat gtgtattgta 360
caatattatc ttgagaacca tatctatgaa tcgaatgcta gataagat 408

<210> 22719
<211> 310
<212> DNA
<213> Glycine max

<400> 22719

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ggtgaagctt ccgcgcgcac tccccttgat aaacctttat gtcatgcctt ttattgctag 120
cgctaagtct actcgactaa ttacggaact gaaaaaaact atattcttaa tggctggcga 180

[illegible]

<400> 22720

<400> 22721

<223> unsure at all n locations

<400> 22722

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ggcactttctc tctctttcga atttgcttgg aaaaattggt tccgtgaaga aaatctaagc 120

cgaggcgctt ccgaaacgtt tccgtaatgt ttccgtaagg aatttcgcaa aggtttcgac 180

cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaatg ggtaagtacc 240

tcgaaccaag cttttcgatt cattctatgt acccgtggtg gtctacattg agtttcgtgt 300

atttctattc tcattttctt tactttgtat accccctttt gacgtgctta agccatttta 360

tttaagtcac ttctcgctta aactaaagat aacataaatt 400

<210> 22723

<211> 377

<212> DNA

<213> Glycine max

<400> 22723

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aaagtaaact aaccgaactt ttttcacaaa ttaaaattaa cgtatgcact ttttttcaaa 120

cgcttattta acttctctaa aaactgaagt gtataagttg attttcacaa ggactcaaga 180

ccgcgggggtt gtattgagtc ttcaatttat tttttttaaa tgcaacattt caatcaaaaa 240

accgcagaag catataattc aaatataagc aaaagtaaga caataagagt tagagaagaa 300

tgcactctaga ttatacttag tttgattaac ctaacttatg cagtccttta agtcttgtct 360

gaaatctttt aaccgac 377

<210> 22724

<211> 427

<212> DNA

<213> Glycine max

<400> 22724

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agagattaag aatgaccgaa gtttgacaca tcttgctca caaaattata ctcaataaat 120

tgtcaaaact aaaaattgga ggaaagaaaa atctaaaaca caacttaaac attctcaatc 180

tagtatacaa tggaatttca gtttgtgtgt gggacatctc aatgataaag atgttgtatg 240

atcaatgggtt atcattatat gcttaaagtg catttcctca ttataagtag aacgactgaa 300
 cttttgattt aaatggagta tcataaccaa ttcttctaag tctattgatt ctatatcacg 360
 aattctatat tttcaagaag aaacaacagt gaaaattctg ccttaaaaga tgtttacgtt 420
 tgaatca 427

<210> 22725
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22725

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 gaagacacct ttttgacaat gaggtgcaag cggcaaccag tttcttggat gatctctcgc 120
 ggggtcatat tgatcgttgg acatcagact gctaggtttg gaaacaaaaa cctgatggcc 180
 aattttctac aaggagcgca tactatatgc tactagaaga agcagcagat cagactgtgg 240
 atgaggcttt agaggaccta tggcagctca aaatcccttt aaaaccaaca acatttgctt 300
 ggcgattgat caaagataga atcccaacta aaggggaattt gcggagaaga caactggaga 360
 aaggctatgc tt 372

<210> 22726
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 22726

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 ttaatgctaa acaataacat aatatgaaca taaaatacgt acctactaca caagtgacaa 180
 ttaaatatga atcaagtatc tcgtgatctt gggtcatggt catattgaga catgtgtgtg 240
 gtccacccca ttgagtgact ttccatgaat aagttttttt agatagaatt gccctcatgt 300
 acaaagggca aggacaatct gcatatztat tcacgcaaca aaccacatac ttgtctcatt 360
 tgctttcaac cactttgaaa ctttgatgca ccttcataac atattgtttg accgcattct 420
 tgacc 425

<210> 22727
 <211> 378
 <212> DNA
 <213> Glycine max

 <400> 22727

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 gaaacattgg atctaagaga atctcgtgtg cttatgatgc caagagagtt ctacaagctt 120
 aaaaagttaa gacacctttt agggtttcgg cttccaatag agggtagcat tggagatcta 180
 acgtccctag aaacactgtg tgaagtgaag gcaaaccatg atacagaata agtaatgaaa 240
 gggttggaga gacttacaca attaagggtg ttgggcttga cccttggtcc gccacatcac 300
 aaaagttctc tgtgctcctt gataaacaag atgcaacgcc tggacaagtt atacattact 360
 actccaaggt cattactt 378

<210> 22728
 <211> 424
 <212> DNA
 <213> Glycine max

 <400> 22728

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 ttgaaatctt gtaaattaat gaatccactt ttacaaaat ttattgcttc ttttcttact 120
 ctaaagtgtt gcataaactt ttataatatt tacataacct ttaggtgata tattcaatta 180
 ttcattataa tttttttatc tagaggattt ataacaacaa ctcatgtacc tttatttaac 240
 taattgaact aaatttcttg acatccatta acatttttta taatataaaa ctaatagcag 300
 taaaaatata ttatcaacta ttcagtaaca attataaact gccttttggt tccctaattt 360
 ttgtttgttt ttaaaaaaat cttataaaag cacaataga ctcagattat gttaccaaaa 420
 tgat 424

<210> 22729
 <211> 379
 <212> DNA
 <213> Glycine max

 <400> 22729

Figure 1. Schematic representation of the experimental design. The figure shows a sequence of events from the start of the experiment to the end. The sequence includes: 1. Start of the experiment, 2. Presentation of the stimulus, 3. Response, 4. Feedback, 5. End of the experiment. The figure is a flowchart showing the sequence of events in the experiment.

tattgctatt	cagaagatct	agttntcatg	gcttaatttg	attatgttaa	gttctatata	60
tagatcagca	aactgaataa	acattcgggg	aaattaatcc	ttctaattat	tggcttgttt	120
taagcgtgtc	aaattaatct	ccaaaataac	atggataata	tcattttcaa	caaagacaaa	180
ttgattactt	ctacacttta	ttttatTTTT	taccagctat	atacttcaca	tgттаатсат	240
gttttttgat	agtgacggac	caatcaaaag	atgaatggat	ttatgggaga	cgaatttaat	300
attcaaacga	ttcatcgat	ggcagatcaa	acacgaaaaa	cacagtacta	tcttttggtt	360
ctcgcgcaca	gcttgcttga	ataattaata	catatacagt	aacctcttat	gttgccctgt	420
atttaaa						427

agctttataa ttcaatttcg atcgtctaga tatattactg gactcaattc gacatctgat 60
gaaaaaagtt cttgtcgcta gaatttgctg acagctccaa cattcactct ttagcgtatt 120
gatgtattac acgacttaac catacatcct aggtaaaagc tatcgctgat cgaacatggg 180
gacagcttca acattcaatt tccagcgttt agatattttt cgggactcaa tcatacatac 240

gaggtaaaag ttattgtcga ttgaacctgc tgagagcttc atcattcaat tacgagcggt 300
cgatattat acggcactta ctttgacctc cgagta 336

<210> 22732
<211> 373
<212> DNA
<213> Glycine max

<400> 22732

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tccgcatcca caatgcgcgc ataaaccac catgccctgt tgaccacctc caactgagca 120
cacatactcc cacgtagccc atatcctcgt ttctctcaac accggggccc gtaatatatc 180
gagacgctcg aaactgaatt atgaagctct gagctaattc aaacgacaat aactttccgc 240
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ataagacatg caaacgacca ttacctttta ctctgatgtc tgcacgaatg cagtggtaga 360
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<211> 342
<212> DNA
<213> Glycine max

<400> 22733

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gttggcctat atgctgttta acgaccgggt ccatgatcct tt 342

<210> 22734
<211> 415
<212> DNA
<213> Glycine max

<400> 22734

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 tttaaagaat atgcgcagcg atggagggat ttggcggcac aagtagctcc tcccatgggt 180
 gagagagaga tgatcaccat gatggtagac actctgccag agttctacta tgagaagcta 240
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 ggattgaaga gaggaaagtt tgattacgtt tcctccacaa acgtgaacgc tcaaagaatc 360
 ggggcatcag gggcaaaaag gaatgaagga gatgcccattg ccgtctcttc tacac 415

<210> 22735
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22735
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 taaattttaa ccttttgaag ctctagatgc tgacgagctt gacttgtag gttgtttatt 120
 tatataaaca ataagcgtca gaggtccat gtgaatgtgt tgggatgaat gatgtgatac 180
 attaacattt ttggttgga gattttcagt actaagtac aacttgact tgccactgaa 240
 aatgtaatag aataatatgt tgcaagtcac ggttggtctt aaaatataaa accagagggg 300
 taaattttaa gcaagttacc ttgactgaaa attgcctatc caggtatgca aatctggtca 360
 ttacatgca at 372

<210> 22736
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 22736
 tgcattgatg tgaagagaaa gccagatgga aagtgtatca ttcattgagtt tataaaggaa 60
 cataatcatg aacttgtagc agctctggca tatcattttc ggattcatag aaatatgaaa 120
 ttagctgaaa agaataatat tgatatcttg catgctgtta gtgaacgaac cagaaagatg 180
 tatgttgaaa tgtctaggca atctagcagc tgtcaaaaca ttgggtcttt cttgggtgac 240
 ataaactatc agtttgacag aagccagtat ttggcttttg atgagggaga tgccaagtt 300

atgcttgagt attttaagca tgtacaaaag gagagtccca acttcttcta ttctatagat 360
 ttaaatagaag agcagcgctt aaaatatcta ttttggattg at 402

<210> 22737
 <211> 353
 <212> DNA
 <213> Glycine max
 <400> 22737

ttgtttctat ccaaatagac ttaccttgaa ttaattcctt tgatagccct tttgagcctt 60
 gggtcccttt ccgtgttttg aagctcacta caagccttaa gtgaaaaacc atgatatcac 120
 catatcctta aggaattatg gagcttcgga attgtttagg gaataagcat ggggggttta 180
 tgtttcattg gacaacttga tatgttggtt atgtttcatg acgcattatg ggccatactc 240
 gatgtacact gtatatgttg taaatctagg acatgctgaa tgaaatgttg tttctcaaac 300
 gccatagagt tctatgacat aattatccga aatgagatag tcgatcatag aaa 353

<210> 22738
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 22738

tcacaaataa ctttctaagg cagtgttcag tgcccttact gttagcctct cgtaaagcac 60
 taataaattc ttgatcactt cctagaaatc cttttgcaaa gcatgctttc ctaaattgtat 120
 catacaccac attatcaact gttctaattgt ctttgtaaga ctgtggacct ttagcagagg 180
 aaagcattat tctgaagtaa aacaattcgc cacttgaagg tgggacctat atgaacatgc 240
 ctattgcatt tccttgcttt cttggatgcc agcatctttt gcatagcaac ataaacaaat 300
 tatgacacat attgaggata agacacatcc cgtccataac ggtatatattt gttataatgc 360
 atccaggctg tgaacattga tt 382

<210> 22739
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

[illegible]

<210>	22740
<211>	333
<212>	DNA
<213>	Glycine max

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gaaaaagaaa	cggtgtaagc	ttatgcagaa	cgattctaca	actatcatga	gcgattttcta	120
agcaacgtga	ctgactcaca	ctacacattg	gcacgggtga	cagatatcat	tgctagcctt	180
ggtgccagtt	tccttcggac	atcgatacca	cccgtggaga	tgaccacaca	ttctactgag	240
cgccctatga	ccagaattat	catgaggaca	tgactaccat	tatacacact	catattatta	300
gtattatgag	cctaagttga	ctcatggaac	gac			333

<210>	22741
<211>	381
<212>	DNA
<213>	Glycine max

cgtcttgcac agccgctctt ggtgctcata agtccttttt aacaaatccc ccttttgtac 60
tcctatggag aattccctag gaccagaatg tacaaccttg aaactggaga tagctccctt 120

ctatcttttc tgcactaaac ataatcaaat gctgtcaaaa catggatgaa gggctgagaa 180
aatctacatc acagaagaca tggatgagat cacacttaaa aagcacaacg ccctatcttt 240
cagagaccct cggctgatga gtcctgtgtc cttatgtagg ggggtagcgt ataacacacg 300
tatacttttg ccttccaaaa aaaacttatc actattcctc ttttcgttga gacaaccctg 360
catgttattg tataaaagat c 381

<210> 22742
<211> 205
<212> DNA
<213> Glycine max

<400> 22742

aaccattgcc gaggatcgac cttctgcaac catacattcc cacaatcact gactcgatag 60
gatgctcatc tatgcacact ccactacgga tatgccacac gctgaaagag ctgccaccgc 120
tgaagtataa cactatcacc agccggatga agatgcacaa gggtaagcaa caacagagac 180
aagccgctct atcgggtctta aaaga 205

<210> 22743
<211> 369
<212> DNA
<213> Glycine max

<400> 22743

tcagctttga ggggtcgtaa cccaccatct tttcatagta gagtatcgat aatgtgtcta 60
ccatcacgat catcgtctcc ctttccatca ttgggggtac cacttggggc gccagatccc 120
tccacctttt gggcgtgttc tttgaaagat ccgtccccct ttttgcaa at gttctgtaga 180
tgcatectat ccagaaccat atcaaaattg tactaatact gcctaacaaa ggcaaccatt 240
aggtccttcc aagaatggac tcgggaagat tccaagttag tgtaccaggt tacagctacc 300
ccagtaagac tttcttgga ggaatgtatc agcaattcct catcttttgc gtagtcccc 360
atcttctga 369

<210> 22744
<211> 366
<212> DNA
<213> Glycine max

<400> 22744

taaggctggt caattgctct tgattgctgc acagataggc aaaggctctat atagtgggtcg 60
tcagaggagc ataaaccata gagtcttgcg acagggtgcag atttttgatt catgggcagt 120
tgggttacca ggttaaccaa ggcgtctggt ttaccttcaa gcttcttagt ttcaaagat 180
gcagctgagt ttgtggctac ctcatgcact cctctaata ga ctatagcatc acttttggtg 240
ctaaactatt gggagttgga tgccatcttc tctattaaat ttcgagcttc aacaagggtc 300
atgtctccaa cggctccacc actggcagca tctatcatac tactcttcat gctactgagt 360
tcttca 366

<210> 22745

<211> 369

<212> DNA

<213> Glycine max

<400> 22745

agttttgttc tttttataaa atgagaagtt ctgaactcat cacgttatct aaaaaaccct 60
tgggggtggat ccaagtgtc cgatcattca tttgcatatt catgttttgg tggcatactc 120
acctttgttt atttcttttag gaatttcac ataactaaga aaacaccaag gcaccctat 180
aacactcgat ccagaaaaat ggatgatgaa gagggcgtgc aggaacagat gaaggccgat 240
ctatcggcct taaaagatca aatggcttcc atctcggagg tcatgttaaa actccagaaa 300
actatagagg ataaagccac gacaaccgcc tccagtacag ttagggaagc ggagccggtg 360
ctgcaaccc 369

<210> 22746

<211> 417

<212> DNA

<213> Glycine max

<400> 22746

acttccttga gaagcttctt tgagatatct ttcttgtgaa gctagagggt ttctacacac 60
accctctca taactaagct gacctccttg agaaacttcc ttaagaatat tcctaataga 120
gctatagctt agttacacat acctctgtaa tagctaaact cacctccttg agatgagaag 180
caagagctta gctatagaca ccctataata gctaagctca ccccatgac aaaaaaacat 240

gaaaatacaa aaaaaagtcc ttactacaaa gactacttaa atgcccgcga aatacaaggc 300
 taaaacccta tactactaga atggccaaaa tacaaggccc agacgaagga aaaacctatt 360
 ctaatatatta caagataag cgggctcata cttagcccat ggactcgaaa tctaccc 417

<210> 22747
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22747

agctttttatc tcggaggccc gattcatgcg cataatatat cgagacgctc gaaattgaac 60
 aacggaagct atcgagaaat tcaaattggc aatacttcga actcggaggt cctattaagg 120
 cgcataatat atctagacgc tcaaaatttt acaatggaag ctctttggct atacaaatgg 180
 tcataacttt tcaactgaag gtccgattaa ggccgataat atatcgagac gctcaaaatt 240
 gaacaatgga agctcttgag caattcaaatt gggtcataact tgtcactcgg aggtccgatt 300
 caggtgcata atatatcggg acgctcgaaa ttgaagaatg gaagctcttg agcgattcag 360
 atggtcataa ct 372

<210> 22748
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 22748

ttgatgtaac attaggagag gttaatgaaa caacgtgatg atgcgcttca tgagagggtg 60
 gatcaaatgg agaatagaga ccatatgaat tgctcaagag cttccattgt tcaatttcga 120
 gcgtctagat atataatgcg cctcaatcgg acctccgagt taaaagttat gaccatttga 180
 aatgctcaag agcttccatt gttcaatttc gagcgtcacg atatattatg cacctgaatc 240
 ggacctgcga gtgacaactt atgaccatct gaattgctca agagcttcca ttgttcaatt 300
 ttgagcgta cgaatatatta tgcacctgaa tcggacctgc gaggtagaac ttatgaccat 360
 ctgaattgct caagagcttc cattgttcaa tttcgagcgt ctcgatata 409

<210> 22749
 <211> 379
 <212> DNA

<213> Glycine max

<400> 22749

agcttttaggc tgttcaattg cttcagattg ttgcacagaa gggcaaaggt ctgtgtggtg 60
gtcggcagag gagcataaac catagagtct ggcgacaggt gtagattttt gattcatggc 120
cagttggggt accaggttta ccaaggcatc tagtttacct tcaagcttct tagtctcagc 180
tgatgaagat gaattcttgg ctacttcatg cactcctcta atgacaatag catcacttct 240
ggcactaaat tgttgggagt ttgaacccat cttctcaatt aaatttctgg cttcagcaag 300
ggtcattgtct ccaagggtc caccactggg agcatctatc atacttctct ccatgttact 360
gagtccttca taaaaatat 379

<210> 22750

<211> 425

<212> DNA

<213> Glycine max

<400> 22750

tctatataag ctgaaccatt ttatcaataa acacaagttg agttttattc agaaaattag 60
agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaagga ctttgacaac ctttgtgtgt tgccctcgct ggaaagagtg 180
attctttcct tcctttcatc ttcacccttg ttctttcaaa ccacaattcc agaaaatcca 240
cctctgcccc gaattatctc gtggccataa ctcccatttt acgcactcaa attaagtgat 300
tcttgagcct aaattgactt taaaaacgag acctttcacc tcatttttga atcacctcat 360
ttggagccct gtagcttcag ttattgccat ttctatattt ctgtccagcc accacttaac 420
ctaca 425

<210> 22751

<211> 379

<212> DNA

<213> Glycine max

<400> 22751

tgcttggtat taaagaaaag ataacaaaag agggcagaca tgatgaggtc acactcacac 60
ccatatgagc cgaatgtatt gaaaagaagt ccctacataa cgagggcagc gcctttaaat 120

ctaatacgct cttcaatctt tattttttaa atgactggct tgattcaata tatgtgttat 180
 atatctttca ttgtcaatgg ttcaagactt taagatggga aacctcata tggttgactc 240
 taatactctt agacctttcc tatgtaaaaa aaaatgaact gcattgggag tactctatct 300
 agaagataga aatattatgg acatctgtct tcttgctagt tactaccact gatgaatgta 360
 tatatttcca atctactaa 379

<210> 22752
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 22752

acagtattgg gaactatata ctagctatct ttacgtttgc attctgctta tctcatacta 60
 ggacaagtca tttaatgctt ttaccaaaca ttttcttaat gcccttttgc actcattagc 120
 tccaggagaa tgaaatacat acttattctg gtgttttctg tcaactgacc ttgtgggaga 180
 acctttgttt acacagggga tggagaatgg ggaaatctgt ataagactgt atgcattgat 240
 ggatacttag aagggtgtgc atcagcctac acttgctacc ttcattgtgtg aatagataat 300
 tccactagaa cttgcactgt ctagctgaag cgccttagtg tcttaagcat taacaattga 360

<210> 22753
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 22753

agcttgtcta attcatttct cttccatttt cttccctttc atctcacttt tatatttgta 60
 agtctctcat gacaatcaga agctaaaact acccattatt gggagctttg caaaccaaac 120
 tctctttgat gtaatgattc taaactatat attaatatga tgttgatatt gttatttata 180
 tttgtgttca ttcacatgtc ttcgatctga tcatccattt tcataaaactg ttttaggatt 240
 taggcattgg aaaatattta tatgctagaa ctggggaaga acatttaggt aatccatctc 300
 tagggataga gtgacattgt ctagcctatg catgcatctt tgctcgtaat gcaaattatt 360
 taatataact ttttaaggat t 381

<210> 22754

<211> 428
 <212> DNA
 <213> Glycine max

<400> 22754

tctagaactt ggtacgaaaa actaagttca ttgttcttga aaaatgggtt taagtgagga 60
 atagttgaca taacactcctt tcgcaaaaac taagattatc aatttttatt agtgcaagta 120
 tatgtagacg atatcatttt tgatgctact aatgaaatgc tttctgaaga tttttctaag 180
 ttgatgtaga cgaaatttga aatgagcatg atgggagagc tttaaattcct tcatcgatta 240
 caaataaaac aaacacccaa aggcttctac attcttcaaa ccaagtatgt gaacgaattg 300
 ctgaagaaat tcaacatcga caatgcaaaa gaaatgaaaa ctctaatacga ccccatgaca 360
 tacctcggac tgaacgagta atcaacaaag gaaagtttgt ctatgtggaa gcaatgattc 420
 actcacta 428

<210> 22755
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22755

gtcagctgca tgcattcatg tttgtagaac accaaagatg taagacgaaa ttctgaaaga 60
 agtgtaaatt ttgaaacaat aagagctaata atacaatcag atacctgaaa gtgataatgt 120
 atgttgctat gatccctaac aatgtataat tagtccctgt tagatcacat ctatctttac 180
 atgatcttgt atatattatt acacataaac ttatgattct gattgatatg taattaccta 240
 ataatacagta gttgattgat atgtaataca tattgattct gatttctcca ttataaataa 300
 ggatgagatg tggatcatcga agacacataa ttacagtcta actaatacac tgctgtatgg 360
 tatcaaagct tagggatttc ttgacaga 388

<210> 22756
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 22756

tgtaataat tttctttgcc tcatattttg aaggatgaaa cttttctttt tcaaattgtg 60

catttaacaa atccaatatc atagtcattg ccttggtgct taatccacac aaaactttta 120
 tatgatataa tttgattata aattcaagtt ttgtgtactt gcttccttca tacaatgttt 180
 gactcccatc gtttagaagc tcataaaaagc cattatgata ttctcttggt tcatcattta 240
 ctatttcata ttcatttaat ggttgtgatg cacctacatt aaggatcatgt tgcctatatt 300
 gttcaaatgc gtcattgatc atcattttcca ttggggttttg aggttgaaca ccactatctc 360
 ggaaaacatc ttccacttga gaagattcta atgcttgctt ttcaccatga 410

<210> 22757
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 22757

ttgttttgaa tagtgttgat tttcacttct cgctaagcca atctgctggc ttagcgagcg 60
 tccgctaagc gcaacactca tgggctaagc gcgaggaaga ctctagaaga agatgtgcta 120
 tacaagttcg ctaagcgcac cacttcatct cacaaagcgc actgcttcag ttcattccgct 180
 aagtgagaaa ggcacgtgct aagccaaaat tctaataatgt gcgctaagtg gtccataagt 240
 tcgctaagcg cagcagcacg aacaaggcca cctattttaag cctgaaatca gatttcagaa 300
 ggggagtttg aactaggatt caaatctttg catgtctagg gtttctagag agagaaaggt 360
 ccaagttcga gagag 375

<210> 22758
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22758

tataatgaaa ttataaaactt caacttttatt nttgcttata atcgaaacaa cataatgttt 60
 gtaaacctta agatatagaa cataagtaag actcccacta agctaaggta ctatcaagaa 120
 ttaaaccat attatcaatg tgctcatgaa aaacttttaag tgtcatacca ttagtaagt 180
 gatcagctag catcaaatga gttcctatat gttatataca aatctgtatt tttttgaatt 240
 ctttatttaa caacaaaata ctttatttca acaaactttt acttggttga atccttaata 300
 ataccactaa gatattgttc caataaacac ccgatgacta cttaatgttg gcaacaacag 360

gcaagcctat tacaataatt tagcaataat aaattctagt atgatgtctc atagc 415

<210> 22759
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22759

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cacattaatt tgaagcctag aacattaaat aatgaagcaa atactccaaa gcaggcccaa 120
aacaacaaca gtacatgtaa atgcaaaaaga aagcagtgtt tgactgttta tatatactat 180
caaaacttgg atttaattca tgggtccaac tatttgacac cctcctttat tttcttcata 240
ccacttgtat tttttaaaact cctatactac ccatgtccct ttgtacctgc aatcccttct 300
atttctctcc taccctctag tctctcccaa attcacaccc ctaaaccctt tgatgtctct 360
cttcttcttc atcccggtg 378

<210> 22760
<211> 415
<212> DNA
<213> Glycine max

<400> 22760

tcgatctaatt tcttctctaa aacaacttgg gaagctatat tacttcttgg gaattgaagt 60
caagtctatg gctgatggct ctattcttct aactgaaaga aatacataag atatcttcta 120
cagaaaacta aaatggcaga ggctcaacct atatcttctc ccatgggttc tggatgtaag 180
ctcactaaaa caggagcaga tatattctca gaccccactc tgtatagatc agtgggttga 240
gcactccaat actccaccat aaccagacct gagcttagtt ttgctgtgaa caaagtatgt 300
caattcatgg ctaatcctct tgaaacacac tggatagcta taaaaagaat cctcccatat 360
ctaaaaggct cgttacatca tgggtcaagta cttgagctat acacgagctg agtat 415

<210> 22761
<211> 377
<212> DNA
<213> Glycine max

<400> 22761

agtttgtatg gttaaagtct cacgattgtc atgtgctcat gcaacaattg ttagtcgtgg 60
ctatacgaga catcttgcca aacaaagtca ggttaacaat aactcgcttg tgctttttct 120
tccattctat atgtagcaaa gtcattgatc cagtcatggt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcacctg gtcagagaaa tcaaatgttg tggctctggt tatctacggt 300
ggatgtaccc gggttgagcga tacatgaaga tcttaaaagg gtatagaaag aatctatata 360
gtctagaagc atttatt 377

<210> 22762

<211> 421

<212> DNA

<213> Glycine max

<400> 22762

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ataatgggtca agtcattaat ggcatacatg taaataattt gattttattc tagaaataga 120
aatcacaaga ttgaaagaag aaaattagtt attaatgtaa gtaaggttag aaattaagta 180
gggataatta aggttgacta atgatgattt agatttcatg gaattagaaa aagggtgatt 240
aagtcataag agtttaaagt ggagggcatt ttcataaatc actatacaat tagttctaaa 300
atagaatttt aatttaatta gttctgacta attaaagtgt ctaattatat gatgaagaat 360
aattaaaata agttaaagt gtaaaaccct aaaaaattac aactcatatt aatagacaaa 420
a 421

<210> 22763

<211> 368

<212> DNA

<213> Glycine max

<400> 22763

tgcttatagc ttacagaaga agaagaagca tcatcagcaa ctttcacaat actgatccaa 60
ccagacactc tattttgggt accaacaagc ttagcagcga gtcctgtttc tggtagacct 120
tcgacgatag tccacttgga acgtgggtcc cacttagaac gaattggact tgggggacac 180

cctggactga gtgtggatgg aaacacaccg aactgaatgc tcttgaaaag ctggccttgg 240
 gtgatgaaag cgactcctgc tgatcgagat gcaatcttta tcggtaaccc ctcacagagc 300
 tcgttgccag attgctccac agtcagaggg catgtttcga ttggtgctgt tgctacttgt 360
 attccacc 368

<210> 22764
 <211> 363
 <212> DNA
 <213> Glycine max .

<400> 22764

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 gcttctgagc tcattcgga cttaatcata gaataatgcc tggagaccaa ccatagtaaa 120
 aacattcgaa attccgaaaa agaaatattg gggaaccaac caccacacac tcattggaat 180
 gggtgcattt ggtttatcaa ctggaccata ctcttgcgct gtcttcaatc tttgcctcaa 240
 caattgcagc tgacttaatc atagaaagag atcagtttaa atctctcaaa cattaacact 300
 ctaacaaaac taacaattaa gatttgctaa aaaaacaata tgctcacatg acacaagtcg 360
 ttc 363

<210> 22765
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 22765

tttttgcaag tcttaagaaa aggcctaact ctcgtaagaa atctgatttc tggcttaaat 60
 aggtggcttt gttcgcgctc atgtgcttat cgcaattctg aagcggatag cgcgcattag 120
 tgaatttttg cttagcgcgg cttttctcgc tcaccggatg gactaaagcg gtgcgcttag 180
 cgggatgccc cttcactcgg cgaatatgca cagctcatcc tccttcaga ttcttctcgc 240
 tgctcagccg agaagtgttg cgctcagcgg atggctcgct aagctagaag atgggcttag 300
 cgaaaggggtg aaaatcagca cttcacaact tgccctaatta acctgaaatt gagagaaata 360
 tgattattaa acaca 375

<210> 22766

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22766

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 aaccaccatg acctctccag cgcttggtc aatcccggac ggcggaatca tcccctcctt 120
 acatggctga atccttcaca gcagcagcaa caacaacaac aaccttattt tcaaaatgct 180
 actggcccaa gcagaccata cgttcctcca ccaatccagc agcaacaatt gcaaccaccc 240
 tataaaccag cataagatga agctgcttcg caaccttccc ttgaagaact cgtgaggcac 300
 atgactatgc caaacatgct gtttcaacaa gagaccagag cctccattca cagctnaact 360
 aatcagatcg gaccaatcg tacacagctc aatc 394

<210> 22767
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22767

tgctttcaag ctttactcgt ggctctattg agaagctctc tcgagaggct tctttgacaa 60
 gctagattct tatctatccg caccctctta ttaactaaac taactctctt atgaactatt 120
 acggacgaat ataacgcac aaataatcga acatcataca taattactaa taatatatat 180
 agatatatat atcacgggtg tacaggaata cttatatgtg caacttgctt tatgacatcc 240
 ttcagttcat cgatggtaca tcttgaaaga atatcaaag tctttggatt gtttactgtg 300
 aatgcgtaac ctagaagat gttctggcgt ggcaggttcc acctccggt gtaatacaag 360
 agcgcgctcat gagtatg 377

<210> 22768
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22768

cgacactaag aaactcagct tgagaagttt agacatgtta catgtcacgg ttttgtttgg 60
 atcaaggata aaatggatgc cccacattat ttccatgaca caaatgcaaa aatgatgatt 120

[illegible]

<400>	22769
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<400> 22770

9542

gtatcaatca

430

<210> 22771
<211> 374
<212> DNA
<213> Glycine max

<400> 22771

agcttgtatg ccttggatct tcttcatcaa cggagtcctt tgcttcttga agttcaatgg 60
aagcgggaatg gagaaggaag aaagatgatt ggagatgcca cttcaaggag aagatgagtc 120
aagaacaagc tcaccaccat aagaagccat ggataagagc ttgaaggtag gagaagatga 180
gtggagggag aaggagagaa ggagcacgaa atttagttcc tcaaagagg tatgaacttt 240
gaagtgtaat tctcaaata tcaaagttca aaaaatacac acatatggcc tttatttata 300
gcctaagtgt cacacaaaat ttaggggaaa tttgaatttc tattcaaatt tcacttgaat 360
ttgaaattga attt 374

<210> 22772
<211> 427
<212> DNA
<213> Glycine max

<400> 22772

tcttcggtgc cattcctgcg aaggcaaaca tttggaatgt tagtttttgt gggacattac 60
tcttaaagca aaaatggcat ataacctcct ccataaata caaacatcaa tgtaaattta 120
gagcaagctt atgcgcatgt ttccttacga acgttcactt gcggaagata tcctattaac 180
cgaaaaaatg cacccatata caatcaagge agctttgtta cctagattat ttacacgtac 240
ttccaagggtg tatttgttac ttacatcaca cacatctcct tggctaaatt cacatacatg 300
catactccaa gcatttgggg taccaaaaat tgcacatgtg cacatcttgg tatttctaata 360
acctatacat acacgaactt catgatgaat cttgactatc tacacaataa ggtgctacat 420
ttcatgc 427

<210> 22773
<211> 362
<212> DNA
<213> Glycine max

<400> 22773

tgcttattcc gatctttatc tctctattca ttacagcaga gatgaactta attgctgaat 60

gacagtcttc acatatecta aggatcttga caatcctgag agtcactcca tcgccagttt 120

tcatcagccc aaatgccacc gcaagcttct cactgtggta cctgacggca tactcccttt 180

cttccccctta caactcgtgc atcgcggact ctggcacggg tgcatagcct gcateccttg 240

acctccatat caactcatcc aagaaactat aaatctcatt agtctcacgg tgagacttgt 300

cacccatgct aaaaagataa ctactattgt caacatctat ggtgctataa cccacttgct 360

tc 362

<210> 22774

<211> 169

<212> DNA

<213> Glycine max

<400> 22774

agaacctgct tattattata gggcaccact actgaccggt gatgggctcc attctgataa 60

cgatccccct actactgaca acaccctcct attttatttg gtggcaacca ttctacagta 120

ccgcaacaac cactttctaa ccattaatca cgacatattt tggctcatg 169

<210> 22775

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22775

gaatacggag gtagttaagg ttgggactgg aaccaatcac caatggcttt cttggggaga 60

aaaacatgga agactggatg aatttttctg ggaagaggga gaatccactt gttaaccacc 120

acacccacct ttgttaatac ctggaaagga tcataaaacc tggggaagaa gtttttatta 180

atccttttta gcaaaggatc tggcactgta aggattccat ctatgagaac acccaactta 240

ccgactaaca tattctatgt cccggcggcg cctgggtggca attgctcgca tgatatcttg 300

agacttcac aaattttctt aaagtaacca ataattcatt ctgagcaatt gtaatttatt 360

gcn 363

<210> 22776
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 22776

agcttatgaa gtttcaatag aggctggatc tttgagcttc aatgatgtcc ttcaaagggtg 60
 attttccacc atagagatgc aacagaagat aaaggaaaag aggtgagaag aggcgtcatc 120
 cactagggaa taaactatgg aagaagaagc ttcaccacca agagagtgcc ttggataaga 180
 agcttagaga ggaagcttca atggaggaaa agaaagagag agagaaagag agagggggga 240
 acacaaaatt gaaggaggaa aagagggaga gaagttgaac tttgaagtgt gtctcacaag 300
 attctcattc atcaaagttg caacaagtgt tacacatgct tctatttata gcctaggtag 360
 cttccttgag aaaatttctt gagaagcttc cttaagaaac ttccttgaga agcttctttg 420
 agaagc 426

<210> 22777
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22777

agcttcctag aatcaagatc aagattcaag actctagatt caagaatcaa gagaagactt 60
 aatcaagata agtatgaaaa agttttttca aaaaactgag tagcacatgg atttttctca 120
 aaacatgttt accaaagagt ttttactctc tggtaatcga ttaccatatt gttgtaatcg 180
 attaccagta gcaaaatgtt tttgaaaaag ttttcaactg aatttacaac gttccaattg 240
 atttcaaaaa gctgtaatcg attacaatgt tttggtaate gattaccagt gtgcttgaac 300
 gttgaaattc aaattcaaat gtgaagagtc acattctttc acaaaaaggc tttgtgtaat 360
 cgattacact aatttggtaa tt 382

<210> 22778
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22778

ntatggataa gtaaacaagg tttgcaagtg ttaaatttat tataggatga actgaatgca 60
 tgctaaagtg attgatcata attctgattt ctgaagacgt gttactaaag agaaatttat 120
 agttctagct tgccccataa tattctttta agaaacgtgg aatgaaaagg tatttaattt 180
 taaattcgac tttgctgacc attacgtacc aaatggatat ttagcaatca ttgaggaaaa 240
 cttttattaa aaaataaaaa gatggaatat ttaatgttgt tattaatagt gtctccattt 300
 taattttaaa aataatatat atataatatt aactntatnt gtttactggc aatattatgt 360
 cacaaaacct tgaagtgctt atggatntac aagttcaaag aaaatgcttt catttcatcc 420
 gtttcgt 427

<210> 22779
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 22779

agctcggtac ccgggatgct ctatagtagt ctgctgcatg catgcttgct tatcatggtc 60
 cgccctcttc gttatagact aatatttcga ggcttaaaga ttgaggatta ggtgcagctt 120
 gcgcactggc cgcaatatcg aaccgctaaa cgagcaatga ggatggcggc gtctaagctc 180
 gatgactgga tacagggatg gtctaataccg gtccgttgat cgcgatgact gtgagttaat 240
 atattcatgt ctgctgagtc tgggtgtcata tgactacttt cacttaatcg atgcttgttt 300
 cactcaatgg atggctcgct aatgcacatg attggcttat atagacgggtg attgatcaca 360
 cttcaactct atccaatgtg acttggttgtt gagagaaaat gatattagac tgcgaatt 418

<210> 22780
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 22780

tatgcacgga aagtgttaatt atgattctga tatgctcgaa gaaacaccat tttctaggta 60
 accatgcatt atgtaccatg ttcaattatt ctgttcttaa gtgaaacggg attatgatcc 120
 caacaccgtt ggctcgtgga gcctaacaca tgaaactaat aatgtattgt gaagtttcac 180
 gcttccccct tctttcgttg tgtttttag aggaaaacgc ttggatgagc ctacatgaga 240

acaaatggta tgcacatttg cacatcaaaa agtgctttga acgcatatgc ctgacgatgc 300
catgactcat gcaaaatgtg aggctggaat atgataatgg acaaatgcat gatatgtcca 360
ttatgatgtt atgaagagat gcttatgcta tgcatgatat gaatg 405

<210> 22781
<211> 375
<212> DNA
<213> Glycine max

<400> 22781

tgtctttgtg gttgattggg tgggtgggtaa tgagaagggc tgatattggc tgagtaatga 60
cattgttgag ctgggtgagaa atttgcccat gtaggaacga cagtcacaac atgggttccct 120
tcttccttct catcctctct atttgcccca ggctttttat ttgtcaaagc aggatgatca 180
aatttgcctt tttttagacc cacttcgatc ctttcaccgg cgaaaacaaa atccgcaaag 240
cttgaagctg tgtaaccac cattttctca atagtagaac accggtaacg tgtctactat 300
cattgttacc atctcccttt ctatcatcgg ggggtgccact tgagctgccc cagtaaggct 360
ctcttgaaaa aaatg 375

<210> 22782
<211> 419
<212> DNA
<213> Glycine max

<400> 22782

tgagatgagg aagtgtagaa gggtgatact tcttgctttt attcgttgac cacagagtgg 60
tacctggaga tatgttgca ggggtcaagag accttgggaa cgtcaggtgg ggtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccgagca tagtcagtca gtgagaacct 180
gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtggtg gctggccagc tgtgaatctt gtgtgatata tgggttatgg 300
cctctgctaa tcgattacca aggggtgggta atcgattaca aggcttaaaa atgaagacag 360
gaggctaaga tgggtctctgg taatcgatta ccaagggggg gtaatcgatt accaggctt 419

<210> 22783
<211> 378

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22783

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acaattctga tatggctcct gaccgtactc aactgcagaa tatgttcaag aaagaggggtg 120
aaaccttttaa agaatatgcg cagcgatgga gggatttggg ggcacaagta gtcctcccca 180
tggttgagag agagatgatc accatgatgg tagacactct gccagtgttc tactatgaga 240
tgctagtggg ttacatgccg tccagcttcg cggatctggg gtttgccggg gaaagaatcg 300
aggttggatt aaagagagga aagtttgatt acgtttcctc caciaaacgtg aacgccaaaa 360
gaatcgnggc aacagggg 378

<210> 22784
<211> 418
<212> DNA
<213> Glycine max

<400> 22784

tgccacccag ctcacccagg cgagcattgt tgcttctctc agaagcaaca gccttctgga 60
ggaatcttct ggagggccca agtgggcctg gttgctattt gcaccccat tttactaag 120
tacaccccc ttttctattt ttttctaact ctttttctgt aacgttaca aactttacga 180
acttcgtaac gatacttatt ttttcttctg caaggttacg aacccttacg acttatgtat 240
ttactctttt ttagctttca aagaagttac agaaacttac ggattgcgca aaaacacctc 300
tttttgactt ccgccacatt acggaagttc acggatcgca caagcctgct tccttttgat 360
ttctgagaca tctcgaaact tcattttattg catgtcatca agtaataatc cccggacg 418

<210> 22785
<211> 358
<212> DNA
<213> Glycine max

<400> 22785

ttgtcttgca ctttattgaa ctatacagat gcaaagtga tgccttacat tatttttcca 60
atatcatctt caatgaaaga ctattcgtga ttgagtataa atcgactgt acaactgtct 120

ggaactaggt atattaatgg cttacttgtg ttatgagaga tgtgccaaat aacttagtac 180
 agttgggctt gaaatTTTT gacttatggg agcgatctga ctgagataaa cattatataa 240
 taaagaccaa taaatatcaa gaaaaccac ttgccgaaaa aatgcacttc ctacatcatc 300
 taacagagga ctcttgatga atagacgagg tatccttact atggagataa cacttatg 358

<210> 22786
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 22786

ttcatgcaag cttgggtgat gatgcgcgga cagatgggta ccatgaggtg tttgctgggg 60
 tttgacccat gcgggcgttg aaaagagggc atggagcatc tccttccttc ctttttgccc 120
 ctgctgcccc gattcttttg gcgttcacgt ctgtggagga aacgaaatca aactttcctc 180
 tattgaatcc aacctcgatt ctttccccgg caaacaccat atccgcatag ctggacggaa 240
 tgtaaccac tagcttctca tagcataaca ctgccacagg tgtaccatca tggggatcat 300
 gtctctctca accatgggag gagctacttg tgc 333

<210> 22787
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 22787

tcctcggctt cctatcttgt tggatgatgaa cacaattgca acacggaatc aaaaagtgcc 60
 aagaaggatg accctacggc tgcaaactcg acaatccgt gggatggct tttgaaagg 120
 gggaaaagaa gtttttgaat gcaaaaaacc tccccctta tgacattctt ataattaggt 180
 gcaggggtgg ctgcaccaga cgagctaacc tgcacatatt tttttttttt tttgagaaca 240
 acatgaacca tgtccccctc cttttaatgg attatcatct ggcctaactt gaacttactt 300
 acgttagaaa taggggttga ttacttatTT ttactt 336

<210> 22788
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 22788

tttcattcga gctttaacct catcggctct cacgagatgt agattagggg gccaatccag 60
accttggtgtt cggactctaa accactgatg atagccgacc atgagcccat tacgggttcc 120
cctaagcttt ctgactcttc ttaacggcgc atgccatgcc ttgcgaactc gttggaggac 180
cctaccgttg tggtcactga cccccgtgc gacgaaaggc gggaagctct agtctgatgg 240
cgctcgatc atgaagaacc accgctgtct tatggctaag acagcattat agtgaatact 300
atcactggat ccatcaaggg aacatctaca catgcttcga atgaagat 348

<210> 22789

<211> 375

<212> DNA

<213> Glycine max

<400> 22789

ggaagcgggt atccgcctga aaagatatga ccattttaat ttctcaagag cttcagatgt 60
tcaatttcta gactctcgac atattatgcg cccgagtcgg acattcgcgt aaaaagttat 120
gaccatttga atttctcgag agttttcgat gttgaatttt gagcgtctcg atataccata 180
agcctgaatc tgaccttagt gtgaaaagtt atgaccattt gaatttcacg agagcttgcg 240
ttggtcaatt tcgagcgtca ctatatgtga tgcgccaaag atggacattc gagttaaatg 300
ttatgagcat gtgaatttct caagagctgt ccgtgatcaa ttctgagcgg ctcgatatgt 360
tgatttgcct gaatc 375

<210> 22790

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22790

atctttgaag aagcaagaca taaatcatcc tgtgtaaata ttttttttca ttcattcttg 60
taaagcttca tgaaatcctt gtatagatac taagctctca aacaccttgt aaaccttgag 120
agaaaagact aaaatgttga gtatttaatc cgtctataag atgatcacgt attagtcagt 180
gtgcaatctt tcaacaaatc ttgttgattt atttagagtt agcgatgact tggtaggaca 240
aagaatattg gattaagtca agcttggggg aaaatttgca tgtgtaagag ccaaaagtga 300

caatgaaaaa tatttgaata cttgtagctn tgtgataagt tagtaaaaac ttggtgggtt 360
gtcaagaact 370

<210> 22791
<211> 393
<212> DNA
<213> Glycine max
<400> 22791

tgtgttgtgt gtagtttcag ttgtgctgtt cttctgtcca tatttggttg tctcaaactt 60
ggtagccttag ttaatatattt tgggtgttcta cttattctgt tgttgataat taaattattt 120
gttttaggta ttataaaatt tgtatgctat atttgttcta cgtattctaa gtttgtatgt 180
tattatttgt gttacatata tatggtagct tagtttgtat gttaatatta tttgttttag 240
gtattctaaa ttattattca aatatatggg acgttagttt gtattaattt tgtatatata 300
ttgtttaaat ttttctttgc atattaattt atgttattca aatatatatt gttttattta 360
tttaaatttg tctttgcatg cattttaatt tat 393

<210> 22792
<211> 377
<212> DNA
<213> Glycine max
<400> 22792

agcttgatgg taaactagat gtcttggtta acttggaac ccaactggcc atgaatcaaa 60
aatctgcacc tgtcaccaga ctctgtggtt tatgtctctc tgccgaccac cacacagacc 120
tttgcccttc tgtgcaacaa tctgaagcaa ttgaacaacc tgaagcttat gttgcaaaca 180
tctacaatag acctcttcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240
tctccagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga tggtcgaatc 300
cttcacaaca gcagcaacaa caaaaacagc cttattttca gaatgctgct ggcccaagca 360
aaccatacgt tctcca 377

<210> 22793
<211> 376
<212> DNA
<213> Glycine max

<400> 22793

agcttggttag aagttgtgat atgaagttca tgggtgtgaca tcctctaccc cgacatacat 60

atacttaaga aaaacatata aaaatctgga atttaattaa atcaatttta ttgaaatcac 120

ttaaacaaat tcatgtgggt aaaagggcaa cattcacttc actattacca aataaaactt 180

attaaaaaca tctccggctc aaaactgttg gatcaagtgg tctcgaaata attaagaaga 240

ggggggggttg aattaattat taatgtacct tgactaatta aaaatcagac cttcttaatg 300

ttactatatt taattaggct tttactacaa agttaagaaa gttaaagaaaa ataattgaaa 360

cttaacccaaa attaaa 376

<210> 22794

<211> 438

<212> DNA

<213> Glycine max

<400> 22794

actcaagcta gtgaaactct ttgagaaaaa aaagtccaaa ttatgtattg agatagttac 60

aaatgctagc aaaaaagata cccttcttaa gaacttttag gagttggaaa acagactgaa 120

agatcttcaa aaggatcgga aggaacttaa tgaactacac attaataaga aagaagaaag 180

atatgatctt tggagatagt gtgcacaagc acacaaagat tttgatgaac tcaaagtgag 240

taaacacaat ctttgggttg aatgtgaaga actaaagaaa attgcaagtt tcctaaaaga 300

tgagcttcta aagcatcaat aatttatagg tcaacctcaa gatgttgtaa aacttcacga 360

ggaaataaaa accttaaaga ctacattatc caagtttgtc aatggaacaa acaatcttat 420

caagttgtta ggaaactg 438

<210> 22795

<211> 378

<212> DNA

<213> Glycine max

<400> 22795

agcttttatg tgatttgatg tgacacttca catttaaatt tgaatttcaa cgttcaaggg 60

cagtggtaat cgattaccaa aacattgtaa tcgattacag ccttttgaaa ataattggaa 120

cgttgtaaac tcagttagaa aactttttca aactcatttt gctactggta atcgattaca 180

ccaatatggt aatcggttac cagagagtaa aaactctttg acattcaaag ttttgaaaaa 240
 aaaaactttt taatacttat cttgattgag gcttttcttc attcttgaat cttgagtctt 300
 gaatctaggc ttatttcttg agtctagaat tcttcttgat tcttgaactc ttgacttatt 360
 cttgattcac ttgagatg 378

<210> 22796
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 22796

ttcctcctca tatgaaatgt taaattgtta tttattccct aaatgcttat atgtgattca 60
 atttggccct taaatctaaa ttacaaaaaa aatcatattt tgagataatt caaaattggt 120
 attaaatgat tttaaactgc tacaaaatgc atatttttta aaaaaatgaa cttattttga 180
 aaattagagg accaaattga attgctttta aaaattagag gactaaataa aaaaaaata 240
 gaaaaccaa cctaaataat aaattaaagg aaacaaaaac taatttaatc ttaaaagaaa 300
 ctaagaagct tattaaatga ataaaagcca tatttaaagc attgatgcat acattgagtt 360
 tgaaatactc tgcatagcaa caaattgacc aaatacttat ttgagttcct ag 412

<210> 22797
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22797

agcttgatga atctcaagaa actactagag atatcactat cattgtcaca atacacacgt 60
 gaaccgcctt agaggtaagg gatgagttta tcacaattgg gattagaata aacatgtgta 120
 gggatcctta gaagattaaa ttgagtttat tttgggatgt ttattgaact ttttcccttt 180
 atgattataa atacaatatt gatgtcctga tgtgaattag ttgataaaat tgagttctct 240
 tgggtgttttc gttttttata cctatgattt tgatataatt atgcgaaatt atttgagggg 300
 ttttacttct catgttgtga taaactgtta tattgagatt ctgaaattgt gattcaaatt 360
 atgagtatgt gataaat 377

<210> 22798
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 22798

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 ttaagctcta cctctcaaaa taagaaaaga aagaaaacta aggggtgctgc tgaaggggtt 120
 tctcagcaaa agaaaccaaa gaaggatgag gaatttacca gctacttctg caagaagtct 180
 ggacacatga agaaaaagtg tcccaagtac gccacatggc atgtaaagaa aaggggttct 240
 tgtgaagctg actgccaagt gatgatgaaa gattcatatt tgttggcgat ggcaaaaagg 300
 ttacggtgaa ggctatagga acttttagat tgcagttaaa gactgaattt tatttggatt 360
 tgtttgagac ttttgttgta tcgcctttta gacggaatta atttctattt ctagtttgaa 420
 caaaattg 428

<210> 22799
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 22799

agcttagcag cctttctttc agtghtaatgc cccctttcca caatcctatc aaacaactca 60
 cccctgcac agagctccat aacaacatga accgcgacag cgtcctcgaa agcctccttg 120
 atggagatca cgtaggact cccagccaag tgggtgcatta tttgaatctc cctccttaca 180
 tactgcacat cctgatatgt caaaagcttc ctgctcgata atgacttgog tgcatactc 239

<210> 22800
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 22800

tctgggtgggt ctttcagcta tttgcttaac taattttccc acctgcacct ccagattctt 60
 gatggctgac tcaatgctct tgtggtttga cagggaaact tgcatagaact gcatcagcgt 120
 gtcttccagc ttgggtgggtc tctcatatag attgggccct tgggtgggaa gctgattgga 180
 tggacctcct tgggtttttt cgaagctatt ccatggatgg gatctccaac cttggccctg 240

agagaaatat cctccctgat ggtaccctga cagtcctcct tgatggaatc cttgacgatt 300
 atgattggcc atgtagttga cctctattga tgcgtcgtct tgagccattc aaaagcctga 360
 ctcatgagcc ccaccataga tgttgcaccc cctaattgtc 400

<210> 22801
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22801

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 ttgatggaaa atattaatgt gattcaactc ttttaaacct taacgcctgt aatagctcct 120
 aatcatact cttttttag tagatcaattg taccttaaata ggatatgtta agtttagatt 180
 taattggatc aaaataaata aaaaaatgta ttcaaaccta aggatatcat caaagttatg 240
 gattttctat cgtctaaaga ctaaaatcgt ataataaatg agacaaaatc acgaatcacc 300
 aattacaaga gattaaatta taatctagct ttataaaaga aaaaataatg atttgaatt 360
 agatcacaat ac 372

<210> 22802
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 22802

agaaaaccgc atagaggccg tgggaactct atcgattaga tgaacagccg tgataaaggc 60
 atgatcccaa aactttggac gcatagacc atgactaaaa aatgcaggac ctaactccgc 120
 actgcgaacc tctccactac accatctcgg tgatgagtgt gaggacaaac aagttggtga 180
 ataacccta gatctgtgag aaaaatgttg ataggtctga actccccccc cccc 234

<210> 22803
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22803

ttgctttagg atcaaattct tttctctctt tttctctca attgttcttc attctttttc 60

ctcttttcag ttctcttctt cctttttctt gcttaatttt tgtggctttt ccattggtga 120
 tgatcatgga aggctaaata ctcaatcaat ccaatgaatt tgagttcagg tttagtattt 180
 ctattttgta tgattgttca ttttttctcc tatctaattt tcgattttca tgattataaa 240
 tatgcttagg attgaaaatg gattagggtta tggattcatt tcttaattgc gaaatttaaat 300
 catagattgt ttggatgata ttctaacctt atttgcgggt tcaatgaatt tagggattaa 360
 ttcgattgaa ctaa 374

<210> 22804
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22804

ntataggata ctagggtgtc tcctagtatg gcctcctcaa cgtgcgggagc tagtcgaggg 60
 atgatgatct gctgaccacc agcctaattgc ctgctcgtag ccgtccccga gcattctgaaa 120
 gcgggaaatg gcatttatgc agtgaaaata tggccacgct accacttacc ttggttcatc 180
 cctgtctagg atttgatggt gtattaacca cctctcgaaa tgatcatgtc cttgtctacc 240
 gattcacaag gtccaaaatg catgtgcctg cgtatgcatg aaaagtttca aacgcaataa 300
 ttcttttagca aaaaccatt gggttcagtt ataaataagc gcttatggca tccctatggg 360
 tcgagcgaaa aggatcggat catttaaaaa gaatatgctc cttataggaa caaacga 418

<210> 22805
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 22805

ttgcttgacg tcttaaactg agttataatt aaccttctct gaagcgatca atctagatag 60
 ggataaacac catatgatgc ccagatttta cttccataac aataaatttg ttgattacta 120
 actgaatcta tttcagttga ttaaaaaatg tatgatttgt tgtacatttt tagtattgaa 180
 gatcgatcat ccttttaaat aaaaaatagc ttatttattt ttataataat taacttaaaa 240
 atcatactaa taaacatcta gttaattgat aatataaata tatattaact gtgctcttat 300

atcaatatta ttattatattt atcatgatta cataatattt ttggcaatta atttcgtaga 360
tatatatata tatatatata 380

<210> 22806
<211> 389
<212> DNA
<213> Glycine max

<400> 22806

aatactcaag ctggcatgtt gaggaatata gcacttttat taaccatcta taagagttcc 60
tctactcata attattcgca ttttatcttc acataattct taagttatct aaactaagtc 120
actttaagct ttattcaaca actaatgaag atgtattgaa cgtatggcat tattaactta 180
tagtactcta tataaatgag agaaacatgt accatactgt gatgagtttt ttataagttt 240
atthaaatat ttgtcgtgga cctatacgaa tatataatat atcacacctc tgctatatta 300
ttattctttt tatttgtatt tgattctaaa caacagacta tttgagttct ttttcataaa 360
catctattgt gtataaggaa catgctcca 389

<210> 22807
<211> 358
<212> DNA
<213> Glycine max

<400> 22807

cagctttcac tctgctcgag ctatcacagc catgcaccac atatcagggc atggactatg 60
ctctacacat cagccattaa acacaaacat gtttactgat acacacaaga atcaattgct 120
tcgatccagg gatgtatacg gagcatcgac tccttaagat tactggaact ctatagagca 180
tctgcactac attgagaccg ttgggatcga ctatctaaca tccataactc attatgcact 240
acactttgca catccaacca cacacaagca tgatgtgcac caagctaaaa gtctggtgca 300
cttattatga cagcatactt ctgcataagt gcagattacg aaaatcacga cttactct 358

<210> 22808
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22808

aataactcacg ctgagcgcaa gaagaagaga gctgcattat atacatatta aagcgcacat 60
 ttaagctcta cctctcaaaa taagaaaaga aagaaaacta aggggtgctgc tgaaggggttt 120
 ctctcaacaa aagaaaccaa agaaggatga cgaatctacc agctacttct gcaagaagtc 180
 tggacacatg aagaaaaagt gtcccagatt ctccacatgg cgtgtaaaga agaggggtttc 240
 ttgtgaagct gactgcccag tgatgatgaa agattcatat ttgttggcga tggctacaag 300
 gttaccgtga aagctatacg aactcttaga tngcagctaa agactgactc catccgtatt 360
 tggatgagac tattgatgtc tcgcctatga gacggaatta cttactatct ctaggttagaa 420
 c 421

<210> 22809
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 22809

agcttcatct gatgtgtag taggtaattt ctaatttgca tattaatcat tatagaataa 60
 aatattggtgt atgcttttgc gggacaattt tagatttatt atcttctttt tctaagtaga 120
 tgtgattaac tacactaaac attggcattg gtgacaaata tattgttcaa ccttgggtacc 180
 agtttctcgc ggacaatgat tttagccatg gagatgaagt tacattttac tgtaggtatt 240
 attattatta ttattattat tattattatt attattatta ttattattat tattattatt 300
 attatttagt ttgtttcatg tttttcctgc attactgata tttcctgttt tttctttctt 360
 tctgattttc c 371

<210> 22810
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 22810

tattgtatgc atgcttgtgg tttgatcatc cattgttgtg tgctgttagg aactttagca 60
 ttgacaaatg tactgtttcc ttggaacttg atagagcagg gctagataac tgtagtgcta 120
 gacatagtgt gcagggttct agtttttatt atgttgtgct tataatgctg tttaaattag 180
 gctaagttca acaagagaca tctatgaacg aagcttagtt taaattagtc caaactcatg 240

agacatcggg gttggtat tttgtcctcag catagaacac aggaataatt tcaaatagag 300
 aaaaacccta attgcatcaa gtatctcggg ggaaggaccc aacactttta tttagttggt 360
 ttcacactca attgttcacg tttactgttt ctttgattac aat 403

<210> 22811
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 22811

agcttaaaag aaaataacta aaataattgc ccaaagtccc tacggcatca ctcaaataag 60
 caaaaaggaa ataacataaa tagaccatat aggatataag gtattctctc taattataat 120
 caccatttg tatcctttat gtactggctt agaacgctag agtctttaca agtatatcac 180
 cagaatatgg ttcgtgctg ttgaagaaat tctgtccgaa tattcaagat gcaggaacca 240
 gagctgaata ctggtaacga tgcaacgagt aatgaactct aaactaaaat acttgagtga 300
 ttttttgagg cagatgcata ccatatcatt aattgctaca ttatacttca ttaattactg 360
 aaagc 365

<210> 22812
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22812

gatcatatat aataggtgta ctttaattga ttaagtttat ccatttttga actttgagaa 60
 tcgatgaatg ttcagatgat cactcaagtc aatagatgac aaactcaaaa cagcaagatt 120
 ttggagttca aatattgaat ttggaaaatt atcttacagt ttgttcttaa agagtgtgac 180
 aagtatttga aagaataaga tgagaattca ccaattggtc ccatgagctg gttgttgcta 240
 agatctaaaa tggagagtta agttagatta aacaatgata agggaaaccat tccatcaaaa 300
 ttgcaaataa tcggaaatag ttcgttaaga gacttcaa at ggccaatgga agaaagcgga 360
 ataagagaga ttcgagagtc ttactggagt at 392

<210> 22813
 <211> 370

<212> DNA
<213> Glycine max

<400> 22813

agtttgtagc ttccaaatct ttaaaaaaaaa aaaaaacata tagggcatta ggagaatgag 60
ccttgaacct ctgcaccct aggcacgact ttttggetta ttttttgctt ttcttatgga 120
aaaggagaaa ctggccaaaa atgatttttc attagaataa atttatttta ctaatatatt 180
ttattttcat aaaagttttt ttattagatg agataaatat ttttaaacac aataaaaaaa 240
tttgaatttt tttgccaaat aacttttgag taaaaaaaa aggccaaaac acacttgaga 300
tggaatgaca ttgtccaatt ctctatatat agtttttgta aagagaagct cagcatcttt 360
tgtatctttc 370

<210> 22814
<211> 331
<212> DNA
<213> Glycine max

<400> 22814

aacgtcaata gcggacttcc tctgaaaaat tacaacacca tctcctgact gagecacctc 60
aatacctagg aagacttcta atgtccctag tctttggctt gaaaatgact gaataagtgc 120
tccttttagct aaccaatctt agtagcatca ttccctgtca tcactatata atcaacatat 180
actatcacat aaacacactt ctgagaggat gaatgacaat aataaacaga atgatcaacc 240
tcactacgtt tcaatccaaa aagtccaaca ttatgactga atttaccaaa ctaagcccga 300
cgggattagc ttcaccata gagagatcaa c 331

<210> 22815
<211> 483
<212> DNA
<213> Glycine max

<400> 22815

gatctctcac gccggtccca ttcacctcc aagctttccc agtccatgc tatcgacctt 60
cagacagccc agctatcgag ccaagcaaac gagccaagct gaaactctgc tcaccacatc 120
tcccgaattt caaattattg tcggcttaaa gaccacagta acaattcctt ctatccaatt 180
cgttaccctg ctggatcgac tccaacatta tactggatgt ctatagtgc taaccgcaga 240

ttgtgaccgt tgggatctac ttgaacattc ggacctttct gtctatTTTT cccatcaacc 300
cacacagctt tttgaccagc tgaatctgtg accatttgcg caaatctcta cggaattcga 360
ataccttctt aacatctgga atgatctcac ccattcttta acagctacaa agactttccc 420
agcccgatcg gtgccccttc tctggTTTTg tgaagaataa aagaattaac acccctccat 480
ctc 483

<210> 22816
<211> 405
<212> DNA
<213> Glycine max

<400> 22816

acctatagag cccgctaagc ctaacaccaa ccgcaatgat atgcgcttag ctctccctga 60
gccgcgctta gcggtattac atagtaaaat ttccacatat ttactaagt aaaaggagct 120
cagcgaactg ggtcgcctcag ctcatctact gccgctaaga atcttgctta gcgcagggat 180
attggTTTTag cgtgcagctc tcaaaacaat ataaaaattt tctacgatac ctgtgcttag 240
cgaatcacc cacttttacc acaggtagat atcaagagga tgaatatgca tcctctacat 300
gttacatcgc ttaacgcgat gaacacgctc attgaattct tttgaagact acaactacta 360
ttgagacact cactcagcgc gacatgtgcg cttagcgagg ttctt 405

<210> 22817
<211> 203
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22817

catgttctgt agttgcatcc tatccgaagc cattatactg acacagccta acgaaggcaa 60
ccattaggtc cttccaagat tggactcggg aaggttccaa gttagtgtac caggtaacag 120
ctaccccgat aagactntct tggaaggaat gtatcagcaa ttcctcattt tttgtgtatg 180
cccgcattct ccgacaatac atc 203

<210> 22818
<211> 347
<212> DNA

<213> Glycine max

<400> 22818

gtatctcaag aaatgcacag atcgttatca caacaggtgc gcttgctctg gagccatgac 60
ggagatcatt tgcttaggaa gattgcccgc gcgttctga accttctact actgtgggcc 120
ccatactacc atcgacaaca ctatggctaa gagttttatc tcacacgaga caagcagata 180
tccttatgac agcgtgtgag atacctgggc gtgtctaatac cgtgttctac ctcgatggcg 240
ctctctatga tctgcctccc cgatgatgcc tctgcatgca tttcaatatg caggggctaa 300
tttagatagc tgctgagaat tccattctgc gtgcttttac tctgaaa 347

<210> 22819

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22819

ggatgagca ttgtcctggg attcactaaa ttaatgtggc tcccccttc tttgatgtat 60
gggcattgaa ataacaagaa tgttgctaca tatggatctg tatttgaaat acctccatga 120
aatactattc tctatttggg gaagtttctg gtacgttata ttttctttg agacattact 180
acttcgaata ttttttttc cagctacctg gcttgtagt ataaaatcac aatatacatc 240
gactgcgata atagatattt ttaacatggc catccacctc ataagtacan acatgactta 300
gtgccttgat aggctggaag aagattgtcc ttacctctat tttcctctct actgcagctt 360
tatttacttg ttatttact 379

<210> 22820

<211> 432

<212> DNA

<213> Glycine max

<400> 22820

taccactata tttcgtccat catttgtaat gactgttatt gtctctgtca acaacaaaa 60
gattcagtaa aatatagcaa ctactagcat gggttaagc atatctcaca gaaacacaat 120
ttgatggaga actggttcct aatgcttcat taacttaaata aattgtcatt aataagcgca 180
gcaaataata taactatgta tagaattcca aacatcaaag caaaacataa agattttaact 240

atgtagagaa ttccaaacat caaagcaaaa cataaatatt tacagatgac ttaggatcta 300
 caagagattc aagtccaggc ccagctgaca tcttgcgttt atagatagat cacacactta 360
 tccttgcacc tgtagaagct tcagtgtcaa aatatcaatt aaacaatgca aatgtacaca 420
 ttgagaaaca gc 432

<210> 22821
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22821

caacaactac aagaatctga ctttttcttg ttagaaatag tagagatatg aactttttca 60
 tttggttttag aaattgagac ttcatttcta aaatgatcta attctttggt taattctaaa 120
 atttcatttt ctaacattga aattgttttc tttgaagatg aaactaactt tgcaagttaa 180
 attgactctt tatgcaaate agcaaagca tctngcaatt catcaaaaaa atagataaat 240
 tgttgaagat gtacct 256

<210> 22822
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 22822

tctcttctct ccaaacttc cttctctccc aaaccttccc tcccatttcc attcccggtc 60
 ctctctccga accactcccc attctccctc tcttcccccc ccattgcgccc cgtcctctcc 120
 acaccgttat gctgcacctt ctgcccctcc gaaccaatc tcagcccctc cgaaccggaa 180
 cacgaagccg gttcagccaa caccgaagag ccgggtataa attcaaccga agaaggtgca 240
 gcttcagttt cagattctgg tttggaagaa gaagaaagcg ccgaggcagt gcttcggagt 300
 ggcgcggatt cggagaagat agttgttgcg agtgaaggc tctcgatagt ggtgtacatt 360
 gaggggc 367

<210> 22823
 <211> 296
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22823

attgattctc atgcagaatt tgaaggccaa ctatcatgtc ttgcagaagt attgtcatga 60
agtcacagtc agtgtgcttt gtaatgccca tggtaggttc aggttcaggc cattgtggat 120
agtattgacc caaaatataa agtgcctcag cgcagtcctat ttctttgaag taagaagggt 180
taatgccaa agcctctgac aatagctcan agattgtaat gcccaacacc cttacttttt 240
tggatatattc agccacaata tctctgcgaa agcatgatta tttcatcaat gacaag 296

<210> 22824

<211> 412

<212> DNA

<213> Glycine max

<400> 22824

tgagctatca gaagactttt attcatttag tgctaagttc tctaccttca cagtttagtc 60
agtttaagat ctcttacaac tgtcagaagg agaaatgggtc tcttaatgag cttatttcat 120
tctatgtaca agaagaggaa aggctgaagc aaaaaaggac tgaaagtgtc cttgttgtga 180
gtacctctaa agacaagggc aaaagaaaaa ggattaagaa gcccaagaat gaagttacta 240
agggtccagg acaaaagaaa caaatcagg atgacaactg tttcttttgc agtaagcctg 300
gacatgtaaa gaagagaaat gtaccaaata tcatgcttgg catgcaaaga aaggatatgtt 360
tcttactttg gtctgttctg aggtcaatct agctctagta cctagaaaca ct 412

<210> 22825

<211> 324

<212> DNA

<213> Glycine max

<400> 22825

aatcaaaact ctgacatcta tcatgggtgg aatggatgaa tgcatagaaga aatgcatatg 60
gcacatatgc aatttatgaa tacgggagcc cgggaaattg tctccatatt taagaagggtg 120
gcacagaccc tccgttggtt ttccaaagag aggggatcaa aaccgaatcc atgcatgatg 180
catatgcgaa aggcgcaaca cgagaatgta cagtatgaca atattcacga aatataagcc 240
aaagggtacg tgacacttat gcatggcagt gtgaaaattg cacacagcgt gtccgcttct 300

gccccatttc aggactata tggg

324

<210> 22826
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22826

tcttatccaa agtcatctt ggtggcgaag ctcatcttc catggcttat tccctagagg 60
atggtgcttc ctctcacctc ttctcctttg tcttccgctg tatctccatg gtggaaaatc 120
accattaaag gacctaatg aagctcaaag atccagcctt catagaagcc ccacaagcaa 180
gcttccatca agtggttaatt agagcacaag agcttcatgt aggtgctcct taaacctoca 240
ttaatTTTTT gctttacctt ctcttccatt ggtgtttctt ctttttttcc tccatgtatc 300
tcctcacatg tcttggtgcta aatgttttta acatgattct ttagattttc caccgattaa 360
acttgctata gaagctagat ttgattntct atggttcaaa tttcttggtc ttgttcttg 419

<210> 22827
<211> 291
<212> DNA
<213> Glycine max

<400> 22827

cagatcaaga tatcttaatg ttgaaagttt tccaaatcat ctagaaaggg caccaccaat 60
tgagttgttg taaaaatcta gcatgtcaat atttttaaaa actccaattt aatccgtcaa 120
attgggttat tttatcatct atggacaaat ttttctggtt cttttttctc atgtgggtac 180
ttttcatatc atgccccaca agtgaataag tggattata atatttaagt acaagtccga 240
tatgactttt ttttttttaa cttaatcgaa aaatattatg cctctttttt a 291

<210> 22828
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22828

tgaaggagtt tattgcatca gggaattatt tcactttaaa agtgggtcct aattggattc 60

ctaattttca acttacctat ttggatgtga catcatggca gataggtccc aactttccat 120
 cgtggattca atcacaaaac aaacttcaat atattggact gtctaacacg gggatttttag 180
 attctattcc cacttgggttc tgggaaccac actctcaggt tttgcattta aacctctctc 240
 ataatcatat ccatggtgag cttgtgacta cattacaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcac ttatgtggta aattacccta tctttcaaat gatgtgtatg 360
 agttagacct ttcaaccaat tcattctctg aatccatgca agaattntta tgtaacaatc 420

<210> 22829
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22829

ctctagggac tccaaacctg caaaacaaat tagatctaac aaaaccacaca acaaccttag 60
 catcgttagt tctggtgggt ttggcttcca cccattttga agcataatca acaacaagga 120
 gaatataaac aaaacaaaa gagacaggga aaggcccat ataactata cccagacat 180
 caaacacctc acaaatgac atgggttatt ganggcattg ctgtctccat gaaagtgagc 240
 cgctgctct ctgacaaggc tcacaaatgc tactgattct ccatgcatac ttgaagatgg 300
 tgggccaata aaactgtagt cagcaccttg cgagctgtct ctgatgcaa atgacacctg 360
 tgcgaagatg acagaatgct gaccgatcat ctatggctga atgcattcta atactgtact 420
 gacatttcac aaagggtatc caaatatgct actactctat tatatcaact taagcaggag 480
 aaacaaacc atattcttta caccagatga agatcaa 517

<210> 22830
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 22830

taaagtatgc ccgagtcatt catccctatg agatgttggt gaagtattgg cgatcagaat 60
 tgccattcct tggattatag ggttgaacca agctcatgct ttacaaaaa ggttcatcaa 120
 gtcaagttga aatatggaag taaccgtctt gcaaaaatgg ggcaaaagat gaatcgagtc 180

acatcactgc ttcgtctact gccaaacata tttaggattg ttgatgtcct tgttacttcc 240
 agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacctca 300
 tatcctgcgt aaaaattcgc aatacttcaa ctgtacttca ttcgcataca tccatgcttt 360
 tcattgtttg cattgctcat tgcattcttt ccttgaaaaa taagataaaa taaaataaaa 420
 tgaact 426

<210> 22831
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 22831

tatgcttttc tttatattgt cacacagatt tcatattctt aatggctgct gttttttcag 60
 acacttcta tttttcttga tggccttggt actgcatggg gcgctatcct aatttctgtg 120
 acattaattc ttttgtttgg tgagggtgaga aagttctgtc cttatatgat tttaagtata 180
 atacattcat gtcacagatt aagtgcctgt gttgtttggt tagagggttg aacctggaac 240
 aaaaatctgg tggcacagca cccgttttgt ttggttcacg ttttttccat ttgtgaaaga 300
 cattttttgt taattagaat caattccagt taaagtggga accagtagct tctcattcct . 360
 ctaatgttat gtctggcaat aaaaaatgtt cagatgctat tatcgatcaa tgtaatgaat 420
 at 422

<210> 22832
 <211> 327
 <212> DNA
 <213> Glycine max
 <400> 22832

tcctcctcta ctccaaaatg tattgaatgc aatcaacctg gacatctgag ggttgattgc 60
 ccaattttca agaatagaat agacaaatct gaaaggaaag cttttaatga aaagaaagct 120
 aagaaagccc tactctacat gggatgacaa tattatggac tcctctgaag attcagaaaa 180
 cgaagggtga accctactct gatggccaga ttttgaaagc atgaaaggta catttttgat 240
 acaactatca tttattgaga tttcagatgc tttgtgatta catataatca gcaactgaaa 300
 atggttcatt tctaaaaact tttattt 327

<210> 22833
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22833

nttgtcactc cacccatatt tggccttcac attaatTTaa cttaacacca cgcacaacag 60
 cgtcaatgaa ttgttgacc ttggatacaa aggcttcttt gaatcacttt gtaatgtatc 120
 atacataggg gcatgtgctt gatgaaaaga ctcttgcca aggtcacgaa tcatatcttc 180
 caagcgatct tccatttcta catcaaacgg ttcagattgg ggcccacttt gcatgtttgt 240
 catttcacca tgccatatcc acgtcatata actcctctta attccatcac acaacagatg 300
 gtctcatatg tegtTgaatt tttccgtctc ccgttcaaaa aatttatgca cggacaaaaa 360
 aacttcccat tttcattcgg tcgacttttt tctgaagcaa attgtaggaa ctgttc 416

<210> 22834
 <211> 420
 <212> DNA
 <213> Glycine max

 <400> 22834

tgtagtcaaa ttgaagacc tattttgCGt atcacttctc cttttatgct tcttttgcac 60
 attgtttatc cttegcactc gttagaggTg gcctagctgt caacgccaaa gcgagtttat 120
 gtagttgcta tgtttttcct tctcatttgt caaacacaaa acttgTcact ccctttatTT 180
 ctctattTgc tacctccatt gctttggctg ccaccgTca ccaccactg tgaccactt 240
 ctattgtttc tggggcatct catttgccgc gataaagttt gctttctata tgataaagat 300
 agatccttga aaatgttcgc atggaactta tatatatgct aaacaatgta cttttctttt 360
 tctatcccat cctatcattc atttctcttg aactaccata tgttcgTTTT tgttgagtgg 420

<210> 22835
 <211> 343
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22835

tgcattgtatg cttatgattt ggatgtttta gtgcagcaat ttaaacaggt gttatcgtgt 60
 tcaattttta cttaaagcgt tacggcacc cattaattga gaaagatggc tccggattca 120
 gtgngcaaaa ttgacagtgt atgttcttaa gaagtaaaaa cacaacacag gagatntaga 180
 tgcanatcat taatccaata tttattaatg ttgcggtcat tggttacaaa ggattttatg 240
 actatgaaaa tccaatgag tccttgaga acaaacatgt attgagcctt ccagctgccc 300
 caggtacaat gcataatatt atttgacgat atcgaaattc aca 343

<210> 22836
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 22836

ttgagccaaa atcctaactc accataaacc ttgactcagg gtgagaatgt ttatccttac 60
 cctcggaagc aaaaaataag agaaggaaaa tttccaatca aagaaaaaaa aaagagaagg 120
 aaaatttcca atcaaagaga aagcgaaaaa aaaaaagaga gaaggaaaat ttccaatcaa 180
 aggaaaaaag agaggaaagg aaattcccaa tcaaagagtg ggagaaagcg aaaagaaaag 240
 aaagaaaatt cccaaccaa gagtgggaga aagtaaaagg aaggaaagaa agctcctgat 300
 caaggattga aagaaatcac aagatatgtg cagaaagggtc tttggaccgg acaatatctg 360
 tacaatacag aattgtcacc aaatgaacaa aaaaaaagg gaaaggaaac catgacctga 420
 aagtgggtctt cttccttt 438

<210> 22837
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 22837

tcgattacat tggttcttgaa tagttctcca atctttggga agaactttt aatcaatcaa 60
 aatggtaata atcaattact tctttgaaat aattgattac attgtatatt taattgatta 120
 caggcaggta ttacgagctg gtataagcta gaataacatt attagataat atgttcttta 180
 catcggttat ttatgacttt caacatcgtg ttttaaatcg atgttgaaag taccgacgtt 240
 gataggatta ttgttaacat cggtttctta ataactgat ttaacgaaaa ttaccacatc 300

gatatataat aaccgatgtg ctatatgaat acaccaaaaa tggtat

346

<210> 22838
<211> 414
<212> DNA
<213> Glycine max

<400> 22838

tggtaatcag agcacaagag cttcaagtat gtgcttctta aacctccatt aacttttttg 60
ctttaccttc tcttccattg atgattcttc attgttatcc atgtatctcc tcacatgtct 120
tgtgataaat gttgttaaca tgattcttta cagtttccac cgattaaact tgctatagaa 180
gctaaaattg attttctatg gttcaaattt cttgttcttg ttcttgaacc atgaattgcg 240
ttgagtttac gttcccttga gttttgtctt gtaatttttt gtggctgaaa ccaagaacca 300
taaatactta caaaaatatt agagtacaag ataacctcaa aaatctagag tgactgggtc 360
acctattgta gttttgtcat acaagtcatg tctagtcatg aaacttgta cata 414

<210> 22839
<211> 332
<212> DNA
<213> Glycine max

<400> 22839

cctcataact ttaacgaaat atcatcactt aattatatat gtctttcatt tataaaattc 60
aaaattaaca tcttatttta aaaaaaaaaa tttagtacca ctagtactct aatcaaattg 120
tgatgttctt tgtctaatat tcactttggt cttatataat aaataaatat ttcgaatgta 180
taaataatata atctgaatca tataaataaa tatttgaaac atcaaataca ttgagaaaac 240
ggtgatttag aattataaaa gattaaatgt tgattttttt cttagacatt tcatcatata 300
aactctgaga actatcataa aatacctcta aa 332

<210> 22840
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22840

tcaacattct tagtctntac ctgcttaact aacactttac tcttcacgcc tttgttaatc 60

tagaattgtg accttttgtt agttctttca ccttttcatt ttaatagtta atatgcttta 120
 ttctgtttct cagatagatc aactagtcgc cagatccaaa gaaagtataa gaagatcggt 180
 cataacaagc catatgtata tgtgttaagg ttttctttcc agttttgcag tctgtctttt 240
 tctttctcaa gcttgtgaat caagtttgtt ctgtgcgact atgtactatt gcttttattt 300
 atttatttat tagtaatgat aaggaacctt acatgcagat tgaggatgat cacattgcac 360
 aagatctcgt cgacataaga cactaattct tttcctttat ttatagaaaa gtcgaattcg 420
 atgatct 427

<210> 22841
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 22841

ctcacaaatc actctacagt atataaacct atttgcactt aactacatat acttatggtc 60
 cttctaacag gaatgcaagc tctgttggat ctcatTTTTg cagttgcgga gtctgtctca 120
 caagctgcaa aatatcttgt gtatttgata tagtgctata agtatgactt tctgctctat 180
 gatgtaattg agcatgtgaa acctcattag ttactttgat tatgacattc aggacttaca 240
 cttttttatt cagagacatc cttttgggtg agaaatatct ttgcctgccca tcacatgaat 300
 agttcgtttt actgct 316

<210> 22842
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22842

tgtacaagcc agaatctgaa agcaatgggt tgcattgctg atcattgagc actttctcag 60
 ctgagatggt ttggtgaaca agagcttgtt tctttgctat gtatgcatgt aaatatgcta 120
 tacctgggta agaaaacaag gtttcagtat gcacatgaag attggaaacc atgagaatat 180
 gaattcaaat gaatgcaaat tgatcacagc aatgttgaag gaaatttaac ctacaattag 240
 gcaagaggtt tgtcattaag ccagcaataa aaaaaagaaa ccaagaatat gtttatctat 300
 agatagaaat agaataaaat ataatgtgtg acaaaaataa tataatatat atatactatg 360

taagtgggtgt tggatctctt gaagcaccat gataacagtg agataaagat gctct 415

<210> 22843
<211> 221
<212> DNA
<213> Glycine max

<400> 22843

cgtcgccgg acgtttcaac cggggactac agggttttgt gcgcctcgag gagcgcaact 60
cagcgcaact aaccgctggg ccaggagctt gccacgcgc cgtcacgcaa ccatttcgtg 120
cgcgccatac gccggcgcgt gaccaccacg cgccggcctt cccttgccgg aaacgcgcgc 180
gtttgctttc ggccgtctcg tcgggctctg ctgagtccat a 221

<210> 22844
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22844

aactcagctt gnatgaggaa gtgtagaggg tgaaacttcc tgcttttatt cgttgaccat 60
aaagtggcac ctggagatat gtcgcggggg tcaagagacc ttggggacgt caagtgggggt 120
gctattgccc aaaaccaagc ttgaccaatt ccaacccaac cggggcatat tcagtcagtg 180
agaacttggt atgtacctaa tcaggcgagc tcttggcagt caacagataa aaggaacaaa 240
gaccacaaag caaggaggct tgtgtggtgg ctggccagga gtgaatattg tgtgacatat 300
gggttatggc ctctgtgaat cgattaccaa cgggtgggtaa tcgattacaa ggcttaaaaa 360
tgaacacatg agactaagat ggtctctggt aatcgattac caaggggtgt aaccgattac 420
c 421

<210> 22845
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22845

atagagagaa gcttatatat atttttgtcc atgtgaacca agtgaattct aattttagtt 60

cctaaataat tttttttcat ctctctgatc tttgaaatca ctatttgtac aaatgaattt 120
 taattttaat tcctataaga aaatttcctt tgatctttat ctgtcaaaaa tttgaaatca 180
 ctattatttg tccttaacat ttantttaga ataggaaaat aacatttatt ttgtgatctt 240
 gaattatttc tagagatgta catgatgtct tatatataga cacctgggag tgcatatgga 300
 tagctctgac attgataaac attgccgtaa tgagtgtctat gtatactagg acaaacaatg 360

<210> 22846
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 22846

gaatactcca gctgacctaa ggttgagatc tcacttacta aggttaagat cctatatatc 60
 aaagatatgg aagaaggagt ctgcaccaac aaaccacttc tgttcagagg gataaagtat 120
 gattactgga atgagtgtat gatagccac ttagaattga ttcattgtaa tctatgggac 180
 atgggtggaaa acaaagatta tattccacat gatgactagc tgaatgagat tcctagaggc 240
 cagtggacga gcaacataag ctcaaatttt tgctaaactc caaagctcag aatatgatgt 300
 cgtgcattct ttcaaaagaa gaatacacca aggtacccaa tttcagaagt gccaaacaga 360
 tgtggggcaa tttggctgta acatacgaag gcacatcata ggtaaagagg acaaaactca 420
 atctcctcac t 431

<210> 22847
 <211> 199
 <212> DNA
 <213> Glycine max

<400> 22847

ggttaagctc aacagctggg ctgagcgcat atccatcgct aagcgcagtt ctagcgcgct 60
 tagtgcgga gattatttgg cagagcatta gcatcaaac cacacactaa gtgagagatc 120
 agtgcgctaa gcgtagcagg tgccttcagc caggctaagc tcgagactag cgctaagccc 180
 aatattactt actcgcgct 199

<210> 22848
 <211> 414

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22848

tgggaggata gatgnggacc cgggtgttgag agaaactatg atatgggcta cgtgagagga 60
 cgtgagctca catggaggtg ggcaacaaga gatagtgagg ttatgcgcgc ttgcggtatg 120
 tggaaaactt gtatggacca tcagaccgac cgccacctag taccacatgt gatgggtacc 180
 ccataatcct acaagctcga gatgaagaag tgtataacgg tgaaacttcc tgctgttatt 240
 cattgaccac agagtggtag ctggagatat gtcgcggagg tcaggagacc ttgcggatgt 300
 caagtggggg gctattgccc aaaaccaagc ttgaccaatc ccgaccaac ccgggcatag 360
 acggacagtg agaacctgtg aatgacctaa acaggcgatc tcctggcagt caac 414

<210> 22849
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22849

ggccaacagg tttagccttc tcaatgtatt ctgaacaaaa tttaatgggt tcttctgcaa 60
 cgtacctctc aacaatagat gcttctggac gatatagatt ctttttatac ccttttaaga 120
 tcttcatgta tcgctcaacc gggtagatcc accgtagata aacaggacca caacatttga 180
 tttctctgac ctgatgcaca atcaagtga tcatgatgtc aatgaaagca aggggaanat 240
 acatctccaa ctggcacagt ataattggca gtcattntn caactcatca nacttcacag 300
 gatcaatgac tgtgctacat atagcatg 328

<210> 22850
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22850

tgaagaggat gctctaattg agganaataa agagagaagg ggggagcacg aaattgaagg 60
 aataaaagaa ggaaagaagt ggaactttga agtgtatctc ataagacttt cattcatcaa 120

agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc ttgagaagct 180
 ttcttaagaa aacttccttg agaagctttc ttaagaaaac ttccttgaga agcttctttg 240
 agaaaacttc cttgagaagc tatagtttag ctacacacac ccatctaaaa actaagctca 300
 cctccttgag aagcttcctt gagaagctag agcttagcta cacacacca tctaaaaact 360
 aagctcacct ccttgagaag ctcccttgag aagctagagc ttagctacac acccctataa 420
 tagct 425

<210> 22851
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 22851

gctcttgag ggaatggaag agggatatgc tgcttctctt tagattcacc tgcatataaa 60
 ttgttaggta acttactctt taaattgttg tcatcatctt tctctggagt acagtgaggt 120
 tgggcacgtt catttgcgga tgacgaagat gctactgggt gaggtccttg aactgcttt 180
 cctgacctta atgtaatggc actcacattt ttgagatttt ggacagattg agaacgtaat 240
 ctatcagaaa tctgggactg ttgctgatct aactgtgtag ccaactatcc catctattag 300
 ttaagctcta atggaggctt tgg 323

<210> 22852
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 22852

ttgcgaaatg cttgtcgctg gagttgtctc gatcaattgc ccttattctt ttagacgggt 60
 ggttcctaag ctcttgacct tgacttgata gaacctcttt ttaagcgaag gcgcttgact 120
 cgatcccatg tttactaaag tgaaacaaaa ccagtgcgga atcaaaactc cgacatctat 180
 catgggtgga atggatgaat gcatggagaa atgtatatga cacagatgca atttgtgaat 240
 acgggagccc gggaaattgt ccccttctta gatacaacat ttgggcagca tggcgcccg 300
 catatgtatt taagaagggtg acacgaacct tccgtcggtt tgacaaagtg aggggatcaa 360
 gatggaatct atgcatgatg catatgtgaa aggcacaaca cggtgatgta catagcacga 420

<210> 22853
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 22853

ctcaaagatt cagcctccat agaagcccca caagcaagct tccatcatag tcccttattt 60
 ttttagctaata caaacgcacc ctaactctct atgtgaaaca taataccgca acccttgaca 120
 tctagaactt tgcaaacacg cacagtggca agaggctgaa gaagttgttg cagttgattt 180
 tgatgtcgtc catgatgtag tggaggctct ccaacaagat gtcagtttcg agatatcgaa 240
 gcatgttgtc aagcttgctg gcaaagatct tgtcattgtg gttgggtgtg aagaatatct 300
 ctaactcatt tatgacttcg aagtacgaaa agg 333

<210> 22854
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22854

tcttgtattt aaggaaaagt taatatggct atgtttggca gcttcttcca ctttcttctt 60
 tcccacttcc cttcacgtac ttattctctt taatatgatt atgaactcac tttggtttgg 120
 ttgtgtttta tttagataaa agaattagag aaatagagta gaagaaaata taagagaaat 180
 aattttttaa aaataacaga ataaaaaaat tattatctat ttttaagagaa atggatgaga 240
 tataataccg tgtcaaagaa aatcaatatt ttttctaaaa tattgatttt atttcctaaa 300
 aagttaattn tttgacaaac aaaaaataat ttttactggt tgtaaagacc aaatttacia 360
 acctaaactt cttctaaatc gtgctacata ccaaccggcc ctcaattgca tctatagt 418

<210> 22855
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22855

tgccattgag gcatttcacc gaacacgtgg ggggcgcgca ttcatacatg aacaaaaggg 60
 gaatgggggc aatgtgacat gccccatcat tttagaacac tccttaggcc taaggccatc 120
 ccctacaact cccttattca acaaaacaag cacaaattca aggatgaatt ggatccttga 180
 ttcaagcaaa tacaatacaa tntgcacaat gttggccacc ccattatggt atcaagccat 240
 agccaagaag ccagtgtcga attgctnttt tacttctctt ttgattttta ggacatccct 300
 ggcttcatcc ttcaatg 317

<210> 22856
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22856

nttctttgtg ggttgatggt gttttgtcac gtagaatggc gtgatcactg gttgacattc 60
 tcaattagct tagttgcttc ttcttgggtc tttagcttta ttttccctgc tgcagaaaca 120
 tctaacagtt acttggtttg tgggtctcagc ccatctatga acatattcaa ttggattggc 180
 tctgaaatcc catgggtggg agttcttctc aataaacctc tgaacctctc gaatgcttca 240
 ctcagagatt catcacggaa ctgatgaaat gaagagattg cagctttccc tttcgcagtc 300
 ttggactctg gaaagtattt ctttagaaac ttttcaacaa cttcttccca ggttttcaga 360
 ctgttaccct taaacaagtg aagccacctc ttgggtctctc ctaccaatga aaatgagaa 419

<210> 22857
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22857

tccagtttaa cagttgatct agttttcaag tagtttaaatt tccagaccca tttcataaac 60
 cagtttttaa attggattta aaaccggttt tccttttttt tcttattttg gtttcatata 120
 tttaaaattt taatacccat cccatccccg ttgtgattta tcgagttcga taaattntaa 180
 tttactttta tattttgaca taattaagtt ctgcgatact ctttntatag ttntaattta 240
 attntatatt ntgaataaag ttatttatta agtttttaat tataatataa ttcanacaat 300

atataaaatg taatgaataa cagagaaagg aaagataaaa attaagaact cattatgntt 360
 ttagtaatat attttcaaan tataacatan anctattata ttattatata tatatatata 420
 ntannaatta tataatatat atatatatat atattttat 458

<210> 22858
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22858

gaataactcac gcttctcctt cttttcccta taaatagggg aaggagggtt taacaaaaat 60
 gttcaaccct cctggtatct gagaatcact taaaattagt gagaaaaatt gtttccgtga 120
 agaaaatcca agccgaggcg cttccataac gcttctgaga cgtttccgtg ggtgatttcg 180
 cgaagatttt cgcgcgttct tcgctcgttct tcgttcgttc ttogatcttc aaccggtatg 240
 ttcccgaat cgaacatttc aattcattct atgtaccctt agtgggtccc acttgtttgg 300
 catgctttta ttttcatttc atttactttc tgtacccctt tttgacctgc tttagtcgtt 360
 tatttaagtc attttctcgc ctaatcaaaa aataaaataa atntccaccg atcttttgaa 420
 ttgtaacata ttttaatttc tggta 445

<210> 22859
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 22859

ctcagtagcc attcccctta atcgatacaa aaaaaaata tatatatata taacaaaact 60
 atcttatata gcttggttgt catcaaagag aaattgtgtt tttacagtta agaaatgtta 120
 cttttatgtt ttttaatttt aagaaagtta gtttttgaca tgccttacta tcaataactca 180
 tggctctcat ttttaacaaa taaaatttg aattatgtta aacaagataa caaagcctgt 240
 gactttccat gcttcaagtt cataaaaactc ctgcatgaac taggaatgcg 290

<210> 22860
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 22860

taggtctatc cactaggatt gaaagatgga tgtttcttga tttgtttgat aaattaagta 60
gtcaatctta tatatggtgt ttgtaaagtt ggactcatta agaaaggta atagaattat 120
ttgattacaa atagacaatt atttataact ttttaaagtaa taataatagg atttaattat 180
cattttgggc ttgaaatttg attgattttt aaaattttta acataataaa ttgatacttt 240
agaataattn ttattatgac aatttttaaaa tacaaattca aacaattaaa aagtaaaaat 300
taattttatt caactaaaaa tcataaaaaa tgtcaattta ttataccaaa gataaaaaag 360
taattttataa aaaataaggg caaaaaata tacaaacccc aaattcaagg acttatgtct 420
aataataata aaaac 435

<210> 22861
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22861

ntgaggaaat tcaaacgaca ataaattttt actcgtatgt ctgattgagt ttcgtaatat 60
atcgagacgc tcggaattga atgttgaagg tctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tctaatttag tcgtataata taacgagacg ctggaatttg aatgttgaag 180
ctctgagcaa attcaaacga caataacatt ttactcggat gtctgattga gtcccgtaat 240
atatcgagac actcgttaatt gaatattgaa gctctgagcc aattcaaacg acaataactt 300
tttactcgga tgtctgatat agtcccgtaa tatatcgaga cactcgtaat tgaatattga 360
agctctgagc caattcaaac gacaataact ttttactcgg atgtctgata tagtcccgt 420
atatatcgag ac 432

<210> 22862
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22862

gaatttccat ggataagaag cttgaagagg atgctttaat ggaggaaaag aaagagagaa 60
 ggggggagaa cgaaattgaa ggactaaaag agggagagaa gtggaacttt gaagtgtatc 120
 tcataagact ntcattcatc aaagttacaa caagtgttat acatgcttct atttatagac 180
 tagatagctt ccttgataag ctntcatgag aaaacttctt tgagaagctt ctttgtgaaa 240
 acttccttga aaagctagag tntagctaag cacacccatc taaaaactaa gatcacctcc 300
 ttgagaggct tnccttgagaa gctcgagctt agcacacatc cccctctata actatgctca 360
 cctctcaaga gagaggtaga gctatctcac accctatata ctaacgcacc ccctacgata 420
 ctgaaataca aaaaag 436

<210> 22863
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22863

aaactcagct ngcttctaca ctatgggtctg gacatgatta atgtattatg tatattgttc 60
 cctttctaata caatgctaag tatttattct atgtacattc gaagggtgtg catgatgtgg 120
 ctgtgcagca tctgcctgta atagtaactc atcatttatt aagatatgta tgccatgggtg 180
 atcaacattt attaaagtgt caagttttga taacagcatt actttgtaaa gtaaagaatg 240
 aggatatgag tgatgtcact gtgtaacgac ccgcctcgtc gctacgatat caccattcta 300
 aatcgggatt atttcaaatt ttaaatgaaa actcagttaa tttgcttata aaaaaaatga 360
 aagtaatttt tgtctcaaca tacattcacc anacaacaca cattacttaa gtggatacat 420
 atatattagt atagtaactc ag 442

<210> 22864
 <211> 244
 <212> DNA
 <213> Glycine max
 <400> 22864

ggtttacttg gaccttgttt ttgaaaacca taaatgaagc tttggatgct tttcaciaaac 60
 atgccaaggt gattcaaat gaaaagggtc tcaacattgt ttcaattatg aagatgaatc 120
 tcaaaataag tctttagaac acttttgtga agaaaatgga attcaccacc attttcctgc 180

cccaagaaca ccttaacata atggtgttgt ggagaggaaa aatacatccc ttgaagaatg 240
tgca 244

<210> 22865
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22865

actcaagctt agagaggaag cttcaatggt ggaaaagaat gagattgaga gcggtgggag 60
catgaaattg aatgagaaaa agaggggagag aaggtgaact ttgaagtgtg tctcacaagt 120
ttcacattta tcaaagttac aacaagtgtt acacatgctt ctatttatag cctaggttagc 180
ttccttaaga aacttccttg agaaacttcc ttgagaaact tccttgagaa gcttctttga 240
gacacacccc tctaatagtt aagctcacct ctttgagaaa aaaagctaga gcttaactac 300
gcacaccctt ctaatagcta attagctcgc ccccatgcc a naatacatga aaatacaaaa 360
aggttcctgc taaaagact actcagaatg ccctgaaata caaggggtaa aaccctgtac 420
tact 424

<210> 22866
<211> 287
<212> DNA
<213> Glycine max
<400> 22866

aaagtgcctt ggataagaag cttatagagg aagcttcaat ggaagaaaag acagagagag 60
agagagggaa agagagaggg gggagcacga aattgaagga agacaaaagg gagagaagtt 120
gaactctgaa gtgtgtctca caagactctc attcatcaaa gctacaaatc gtgttacaca 180
tgctcttata tttagcctaa gaagcttcct tgagatactt ctttgagaag cttccttaag 240
aagcttcctt gagaagctag atcttagcta tacacatccc ctaatac 287

<210> 22867
<211> 416
<212> DNA
<213> Glycine max

<400> 22867

taatggaccg attcaaggca tgatcctata tgtcatgtgc caattgaccc gaccgggaca 60

tgtagatccc actatactgc gttatttagtg ttttgtatgt tgaatccaat aaatcaatcc 120

gatcatattc taattatatt cttatcatat ctttaataata tcttatttcc gaaatcaatg 180

aagaaatttt tttattagat cttcccatga ttaaagaatt actgtataat ctaccctcac 240

tataaaaaaa gagagatcta acggcgatta gttttggcct taccacaat tttaacctcc 300

gttaaacaca tttctgcgg ttctcttgtc attagaaaag cttccatgac aaacgctcta 360

cactttacta ggggctttta ccagtcctcg aaggcgcaaa tattccctcc attttt 416

<210> 22868

<211> 292

<212> DNA

<213> Glycine max

<400> 22868

tcccataaac actcatttga taaagtctag aaagagcgtt gattgggttca ggaagtgatt 60

tcagttctgc gaaagatgac acgaggaaat tgtttatgta tggagagacc aatgatccgc 120

tatcgggaac tgtctccagc ttcaaacacg cgtgtatgga taaactctca agacgcatga 180

gactctgcca tgatgaacac tgcattgacgc taatatgttt aagattcttg caaccagaa 240

tgtataagct tttgtaaaca gggaatggac acggagaaga tgcattgagta ca 292

<210> 22869

<211> 424

<212> DNA

<213> Glycine max

<400> 22869

tagctaacat tgaggctctc tcatcattat ccacctaga gttgaatgct acacggacat 60

tgttgggtcac acagacactc tttcttaata gatcaaaagt atgtctagcc tatctgcgtt 120

aggggtctatc atcagataat aaccaaattg tagcttcaga attcaccttt ctcaatccct 180

caattgcttt gttaaaaaga attttgctgt aagccatgac acatttccaa aagtgagttg 240

tcagcaatca agatttgatc cttttttgaa atgattaagc atatgattga caaaaacct 300

gccctcgaaa acagaaacga taaagtatat aaacacattc aatttaatta agcagactgg 360

aatgaaaaat aaaaatgttt gaacaataaa gtctgaaatt gctctcaatt aaaatgaaat 420
gata 424

<210> 22870
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22870

tttaattctaa caattactat tctaccagat ttgggtcaagt atatttcact cgtttgctct 60
tagaaaatgt ttgataaaaa agaagctgag ttttctgaga attttgaatt gaaaatagtt 120
tctcatgttt gatatttaaat aaaaaaaaaat aagattcctg ataaataatg ttcacgagga 180
atatnttttta acaatcttcc cacaaaaactt tctaacagag aaggtgtcgt aaataattaa 240
gataactatt ataaatatca cgtaactctt ccattctata aaattatcta aatatcttat 300
gaccactaat aaatctacta ttctagggat tgatttcacc ttctatgtcc acaaaaaact 360
attctccacc aactatgaca ctatccttct ttcttgt 397

<210> 22871
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22871

aactcaagct taccaaggca caactttacc actatgttta gctcattctc aatcatatag 60
ataaagggtga tnttatttgg gaaaactcaa gtcccgcata ggctagagat agtgcaaaga 120
tagagtatat aagtgaggga caacccttat cttatgagct agcttttggg gttaagttag 180
acccaaactc acattctaata agattataaa aaatttaaag catatttcat aattggccct 240
ttataatttta aagtgtgtca tgataaagac atgatataag ttatttcggt attaaaagat 300
tctatacttc tttctttctg atgctattat tcttatgac ccctggacac ccaaaaccaa 360
aacttctaga tccattactg gtatctacca tatggattat atgatacttt ccaaaatgaa 420
cacattgtag ata 433

<210> 22872

<211> 286
 <212> DNA
 <213> Glycine max

<400> 22872

cattttgaaa caatgggaca tgccacattg tccccgttct cttgctattg ttacctaaac 60
 gcgcgcccac caagtgttct gtgaaatgcc tcaatggcat tagcgcgtga cttttgtaag 120
 gaaacaaccc atggggcatt ttggtttgta catattttct ttttttttgg gacatgtatt 180
 cattccccgaa aaaggctata gtaattgccc cacatatatc ccaagcctat gaaccgaagt 240
 tttatgctaa agaacacata ggaggtgcat gttgggtaaa gtatcc 286

<210> 22873
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 22873

actcagcttc atgccacact tggcataggc atgttattac tatcttggtg catggcaccg 60
 gcgcggggcg gtgtcgtgga gtactcccc gctctctaac cccgaatctt accctacttc 120
 tcgcccccg c tttttgtggt gggggtatca ttttgacca tctccgtttc ccggcttcgc 180
 gcggagacat gtgaaaaccc gctgtatatt agaaaaaggc aaagattata gaaaaaacct 240
 ataatttttt gttatctcta ttatacaaca ataataaatt taatgtttta ttgtaagtat 300
 aaaacatgac t 311

<210> 22874
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 22874

ctctgatggt agtcatcttt acaactggag agaagatctt tgtgaaatca attccttggt 60
 tctgctgaaa ccctttcacc acaagtctct ccttgatatc tcttctaccg tcagattctt 120
 ccttttagcct atagaccac ctattctgaa cgctttcttt ccttctggaa atttagtta 180
 agaccacggt ctattcttct gaagggatgt catctcatct ttcacgcta gctcccactt 240
 aatagtgtca ttccccgtg taggctcact gaaacattct ggctcaccag catcagttta 300

<210> 22875
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22875

tgttaaagaa cttaggaaaa atcaagtaca agcttggtcg cacatcggtc acgtgtatga 60
 tatccactcg acaaggtttg aagtagagga gaccttcaat cctataacgc aacgtggcgg 120
 acaaaagtgg gcagttaact tgaatgacca ttattgtcaa tgcggaagga attttgcgct 180
 tcactatcca tggtcacaca ttattgcagc ttgtggttat gtgagcataa actactacca 240
 atatattggt ggatcgagtg gcctcagaat aattaaagagg ggggggttgaa ttaattattc 300
 ctaaacattt accaattaaa aaattactct nttaaggctt ttactaaatt tttaagagaa 360
 tgaggagtag aagagaatct taacagaaag taaaagcgga aattaaatgc acaac 415

<210> 22876
 <211> 501
 <212> DNA
 <213> Glycine max
 <400> 22876

tacagtctcc gatactcacg aaaccctgaa cttgcggcat aacacagatg cggaccatgg 60
 ttaaatacctt gctcctatcc tttgtacttg caaggactta cgatcaatac attccgtgaa 120
 caattttaca tactaactat taaccaatac accccggaac agttctacaa tgtagaggga 180
 ctccataaaa aaatatagga cactagggag gactgtcttt tgatagagaa aaatccctaa 240
 ggaaaagaaa gttccttttc actttctgac cccaggggta aaatagtaat ccccccttct 300
 atcttttcta cgagagacga caggcacgaa ttgcaagtgc tttcatctc tctgataagt 360
 tactgaagtc tatgtgcctt cgacttgatg gatccaaaag ctgaactcat gtgaacttcc 420
 gatgcggtag gactgttact ccgaagtaaa atacctttca cattataata acatacgcta 480
 cgcgcctatt aaatgtagcc g 501

<210> 22877
 <211> 325

<212> DNA
<213> Glycine max

<400> 22877

tgttgtctgc catattatac tcaggatgtg ttaattatgt tatatgcctc tgcaagcaat 60
gcaactaatt caagacgacg gccaatcagg tgaaaaaagg actacagaag gccgacgttg 120
taatcactga gattctgac cctgagaagg tatgttaaga aagaagatat aactgtagat 180
catgtaatgt tgggtcacac tttcactgac ccttggaaga ctgtttatgt cagtgatcta 240
ttgttgaaat tgctagggat tgcgtactta gcaccgcttt gtttactact cccttctatc 300
cacacgggaa atcgaatgta acctt 325

<210> 22878
<211> 385
<212> DNA
<213> Glycine max

<400> 22878

tgaagccct tacagaccct tctgcttctg ccctagcctc ttcccacatg cccatgtggt 60
cgcttcttct ccaacaacct tcatttccag cgacccgga actcaagtga ccagcccact 120
ccggcaatcc cacctgagat taggttttct tttcttttct agtttttgag cttatacata 180
catatatata tatatattga aagagttaca ctctaaccac atgaaccaa ttgacaaaaa 240
aaatgtctct ttggtcctga gacctatggc acaccaatg gccaatacc atcaaaaacg 300
ccaataaatg attgttcatt gagaaacaca atagaacagt gtcaaaagat gtggagccaa 360
ttctgagcca cacatgacat gcata 385

<210> 22879
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22879

ntataagcgc ggctctggga gacgaaggtc aagtggctgc gatatacgag gatgatgttc 60
cgagtacatt ggatttggtg cgaccatgcc ctctgattt ccagctggga aattggcgag 120
tggaggaacg cccaacatt tacgcagcga gcataatgta aacctttacg gttttaaaag 180

003407

ctctatagtt gggcctaggc tttagagttt ttcttttggg taaggctttg tgtattttgt 240
ttttttttta aatttataat acaaggatct ttcttcatct gttcctacgt ctctacccat 300
tctcatccat ttgcatgttt acttcttttc tgaaacggca gatccgatga cgagtcccc 360
gaaggtaacta atacctgnga cccgcctatc aacttcgagc aagaaatgaa tcaaac 416

<210> 22880
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22880

ccaatttcat aagctattga tcgagccac tgcaaaatat catctcaggt agcaaacacc 60
tacaatgcaa gccacataat tttagtcttc aaagggaat tcattttatt aatttaataa 120
caataaatca cattattacc taagaaatat tgaacgtata agaataatca acatgttctt 180
cttcattcac accaactntg ttttcattnt catcattcat atcaacttct tcagacatta 240
tactttcaaa caaccattga tctttgtcca tcttaacaac acattcaana tttcaacatc 300
acagacaaac aacacctaac cgcaccatan atatatgac acacaaagcc ctacgtaatt 360
tttactgcat accatttata aacatttaaa tgatacncta ttattaaaac catacatcac 420
ttttatc 427

<210> 22881
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22881

gaggctttgc atatataact tatacacact cattaatatg accagattaa ttacaaagtg 60
tttaactatc ttagctgaga atgaaggggg tatcttattg accaaaaata acgtaatgct 120
tatcttecta gctaggccct aagtccaaat tctaagatgg tatcaaagtt atcctagatc 180
cattgctggg ccatctacat tgccatgctc taagccgatg ccttgggcat gatgagagag 240
ttctaaaccc accttaattg cggtcactcg ttacctactc tagctgtggc ctttttgggg 300
tctaccttaa ttgtagcctc aagggtggcg ttactccca cattgattac agatattcct 360

tanataaaat aagcggttaca agtgcgtgaa accctcactc ttgagctaac tattgtggtc 420
gagtc 425

<210> 22882
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22882

gggatcgact ccaaaatttt actggaagtc tatagtgcac aagcctacac tgtgaccggt 60
gggatcgact agcaaacatc cagaactcat tctgtactac tctttccaca gcccaaccaca 120
cacaagcatt ttctgcacca agctaaaatt ctgctgcact tattttgaca gcaaaattct 180
gcataagtgc agatttcgaa tatcacactt cctctcatcc aatcttggtc aaatcgaatc 240
ctacaagtcc caaatcatgt atcanacatg tctaaaccaa agccaaactt canaccacag 300
taacac 306

<210> 22883
<211> 425
<212> DNA
<213> Glycine max

<400> 22883

gcttctcca gaagcttcct cgtggcttgt ttgagaagct ttctcaagag gcttctttga 60
gaagctagat ccttatctat ccacaccct ctattaacta aatgaaattc cttaaaaata 120
attacggatg aaaataacac aacaaataat caaacatcaa acataattac taataatata 180
tatatatata tatatatcag ggtgttacag acagccatat tctacttgcc atatacaaac 240
aaaacacata ttagatcata tcaaaactca agtcacacta acaacataac caatacaaac 300
aaaaattcaa ttgttagtta attctagtgg cacataaaga ccataataaa atatataatt 360
aataggatag aagctccact caaaaccttt ttcaatcttc aacatcttga gacacaactt 420
cattt 425

<210> 22884
<211> 283
<212> DNA
<213> Glycine max

<400> 22884

caataaggct tgcaaggtgc atggcattgg gactgtcaga ctgagaatgt ttgacaacag 60
ggaaatgctg ctgcaagatg tgaggatatgt tccagaactc aagataaacc ttatctctat 120
aagcatgttt gaccttatag gatacactac aaaggttgag gatgggatga tgaaggtgtc 180
cactggagcc tcaatcattg ctaagggag ccgaagcaat gggttgatga tcttggaag 240
atccacagtt attggacaag cattctgttg caagtcaaac aat 283

<210> 22885

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22885

tgactatata tattctctta tatcaagtga aagttgtcat gctgatttca atacataatg 60
ggacaattag tagtcattta gtgtacactg tatagcatct ttaagatttt ccacagctta 120
tgttataaag gaatctttct tcggacagaa tttgtgatta atagtttgat actattactc 180
atctacttta gttttcttta tttttaaaa attaaaataa ataatttacc atctttcttg 240
atcttgtctg attgtatctt cttgctttcc accgttactt ttcaagaagc atagtgtcat 300
gaaaattgta tgaaggcagc catttgcat tgatagtttg atactattgc tcactttcta 360
ctttagattt ctttatatgn taaaaattaa aataaataat ctatcatctt tcttgat 417

<210> 22886

<211> 370

<212> DNA

<213> Glycine max

<400> 22886

atgtttttaga cctagtaatt gtcttagaat gggagctatt ctaagatgat ttcgttgatca 60
tagtcatctt atgtaacacc cttatttttt gtaaaataaa ttaaaacaga ttttatttaa 120
aaataaatag gggtttacgaa aataatgagg tttctgaatt aaataaaaag gaggaataat 180
ttattaataa aaatggttta agggaataat aaattatttc tagaaataaa actgttatta 240
ttattaataa agtaataagt ctttttaaata ataataagaa atgagtattt cgtgaagttc 300

tcactataaa agaccttgca ttactacat cgccttcttt ttcttaattct tttctttctt 360
caaccttttc 370

<210> 22887
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22887

tgacacattc tggcattgtg caccaggtga ttcaaattca tgaattcaat tattgcaact 60
cagaacaatg caacagcaaa aagggttccc actgaggaaa ctgttggtga tggggaagac 120
ataattagca agttgcatga aagcattctt ggtcacattc tgtctttcct tccaacaatg 180
gaatcagtcc aactagtgt gttatcaaaa aggtgggttg atgcttgga atccataact 240
ggcctacaat ttaatgatac ttgctttgt ttgggaaaa agatgcaaaa agaacagttt 300
gtgtgttttg tgaacatggt gtttcttcac ctgccaatt caagtatcca caatttctct 360
ctttgtttta cacgttatca gtatgattca acctgataa gtgcatggat ctcttttctc 420
tntaaaagg 429

<210> 22888
<211> 248
<212> DNA
<213> Glycine max

<400> 22888

ataaattatt accatgcatc aatatactca atacttctat gcactagaca gaattcatct 60
cctcattagt tactactcct cacaacatca ccccatgca atgcaagtcc tcatatattg 120
agtgattcct ttgctaattg ttgcttattg tctataaccc acaaatataa aaattctata 180
ttgaacataa gcacataata tataattggt atgtgagacg aagatggtaa cattgtacat 240
gcatacat 248

<210> 22889
<211> 339
<212> DNA
<213> Glycine max

<400> 22889

taataaagag gacaattata taagagacct cctcttttac aatattctca ctttcatcaa 60
tagccctcct tgtcctgtct tgcactttca actgttcctt ttatttcact tgtctgcttc 120
gctttcaata cagacatcga tgcgcactca gaaattgttg aacattgttg tagatggaaa 180
ctcacccttg agtcctattg tcccaaaaatt gctttagata atttcgaaaa gactgtcacg 240
tttgataatt cttgctgcac atatattaat aataccatga tctgctctat atcatatgca 300
gtattaacca tcatatgcat gaccttaact atatatac 339

<210> 22890
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22890

tggttgtcgc cttgaacttt tccttgacca ctcatgttct ttcaagctcc gctttcaagg 60
cttgcacttc ctactctcc tcaggggttt cagcctcttc ctacttgaa atcttttagtt 120
gcgaggacca agttttccat tgcgtccaag ctttcaacca ttgatgatat ccaccaataa 180
catcgttgct gctctttcta agctccttat cctttctttg cacggaattc catgcctttc 240
ggactctctg aagcactatt gcattnggt cactganacc tcgtgcatg aaaggcgtaa 300
tactctctac cgacggcact cctcttatg 329

<210> 22891
<211> 444
<212> DNA
<213> Glycine max

<400> 22891

acactcccca atactcaagc ttcttagcta gaaacttgta ctgtgcctat agtgcacttt 60
gtgaggaaag ctctaatagg cttctctttg taggaatatg agtccgatca cgtaaaatag 120
catgatcact aacaaccata ttctcaataa gtcctatagc ttcttttaggg gtcttcaatt 180
taatcttccc tccagtagaa gcatctaata actgcttga ctgtgggtctc aaaccatcta 240
taaaaatatt tagctgaatt ggctcacaga atccatgagt tgggtgttttc cttagtaagc 300
tatggaatct ctcaagtgtt ttactcaaag attcatctgg aaattgatgg aattacgaga 360

tagctgcctt gccttcagct gtcttaaact caagaaaata tttcttcaaa aattttctcta 420
 caacctcttc ctaaggcttc aagc 444

<210> 22892
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 22892

ggagaaatgc ctaaagggct gggatccttt tcttcttcat atttctcccc tatctatagc 60
 acaatacggg agatgcttgc cgcccagctc gcccaggcga gctcagctcg cccaagcgag 120
 caggggttgct tctccagaa gcaaccgtct tctggaggaa ccatttgag ggcccagatg 180
 ggctgggtg ctatttgac cccatttct actaagttca cccct 226

<210> 22893
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22893

ntgctgattt agttttcact tacgaaagga tcgaaatggg tctgaaaaga agaaaattta 60
 atcatcttgc ttggacgaat gagaaaactg gggcgaatga aaaggatgag agtgaaggag 120
 aaacccatgc tgtgactgtc attcctatac ggccaagttt cccaccaacc caacaatgtc 180
 attactcagc caataacaaa cctctcttt acccaccacc cagttatcca cgaaggccat 240
 ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaacacc accttttagca 300
 caaaccaaaa caccaaccaa gaaatgaatt ttgcagcgaa naagcttgta ggattcacc 360
 canattccgg tgtcatatgc taacttgctc ccatatctac tcgacaattc aatgggtgcc 420
 ataacc 427

<210> 22894
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22894

ggagatggct aggtgtttgc ttcataaaaa agaattgccca aagagatttt gggcggaagc 60
 cgcaaatatt gcagttttca tgcttaacag actgccaaca aaagctttgc aaaagaagac 120
 accatttgaa gcatgggtatg gctataaacc tgagttgctc aatctgaaga tatttgagtg 180
 cttgtgcttt ttcttacatt cctcggggta agaaggacaa actagacatg agagcagaac 240
 ctggaacctt tgaggctata gcttaatttc acaggcctac atgatctant tgccacatca 300
 tgacaagtat ttagcagaa tatgagattc tggactggat antggaactg g 351

<210> 22895
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 22895

tgctgaacaa actttgagat tcttatgatc ctatattata gaggatgctc atatactttg 60
 gagagcaaaa gggagttgtg tttttcggtt ttatcttttt caagtgaag gttaatcagg 120
 ttccagagaa gaaaaaaagg aaagagtctt aaagttgaac atgaacaaag ctgttagtgt 180
 ttatggcctt ttgggacttt ttgcaggtgt tttttcagc tcatgcattt gtgggactcc 240
 caggaatttt aatgtggaga atgattccgg tctaattggc aaaattgggt agttcatttc 300
 agccttgtag aatctgggtc taataattat accagcatta tttcatctca cattacattc 360
 atcatatata agcatgctaa tatctttcta tctgactgca gaaacatcac tcaacaa 417

<210> 22896
 <211> 161
 <212> DNA
 <213> Glycine max

<400> 22896

ttggtcagat gagaattgat aatgactcac gctggaggaa ccagatgaat atagaaaggc 60
 aatatgatgt ttagaaggat caccagcatg gtggaacaat gctcatgatc cttaatgctt 120
 cttttaccta aagctctcaa attctatgac aaaaactata t 161

<210> 22897
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22897

taaagttgaa aaataatata aaagtcctaa tacaggttca gcatgattcc actcactagt 60
 acaaaaactca cctactaaaa tgtgtgctaa ccagtgatc atacagtggc ctccattcaa 120
 tagttagtga aatcttttta ctatatttgt tgagtagtct aactaataaa tttcccatc 180
 taacctaata aacaaaaaat ggcacaatca tttaagagca agcagagaca tatagagaac 240
 aagaaaactc agcatctcat ctaagacaaa atgcagcagc acctaagcat aatgcttatt 300
 acgggacaca tgaaatatct caaggccctt ctgaataagg ttgtgaacat ctcctaaagc 360
 tacatcactt ttttccttta tgaaattgca caacacacat atnaagttag atttcaaccc 420
 aac 423

<210> 22898
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22898

atagacacag tgggatcaat taatgaagat gctgcactag atccagagaa aatgacgctg 60
 gaggaagcag ctacaaaggc acaagctgct ttcaggggtt atttggata caactctggt 120
 ttattgaata ctctactgat taaaaacact tcaactgatga aattgtatgt gtcctttagt 180
 tctaaaacaa aattgaactg taaatatgaa aaatatgttt taatctgtac tgcanaagaa 240
 tagtanatga gtggaattga ttctctgcta tgattcgcaa ttatgttaac atctgactt 299

<210> 22899
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 22899

taccgagaag aagaaccatc aacagcactg acccattcat catgtaaaga agggctcttc 60
 tcctttcgtg gggccacagc ccttgtgtac tcaactcca atatcctttc ctgtaattga 120
 tcattgaaga cagttagcta tgatttccta tgacatcata ccaaaggta acaatggttt 180
 cacactatca ccataacaag caaagcattt atttgtttga ttgagatata cacgctcacg 240

ctatgaaaga gtgcccttaa tataaaaaaga aattaaaaaac taaaatgaat cattggaatc 300
 caatggacaa atcaaacact cctagactcc tggttctact acttatccaa gcacctatcc 360
 agttccaag ttaaatttcc attccatgaa acttcattca gaataactcc agtccccatt 420
 ttct 424

<210> 22900
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 22900

gtgccaata cctcgtaaga tgtttaatac cacacccaaa aggggtacac atgaaaacct 60
 agtaggattt aacaaataaa acggcaacta aagttcatta agtgaaataa acaagcgaaa 120
 tcccaggaaa ctgaaacata tctaattctcc cccataagcc ggattttagt cttgtacata 180
 aaaatgcccc agagat 196

<210> 22901
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22901

ntcttttgta atagcccaa caataagatt tggatgttga tactctacce tgtgtacacc 60
 acacgtactg atactaagca ataatatctt gttgaaatag gtagctcaaa atttaatagc 120
 taattagtgg attcatttaa aaatagtgtc agaaagatta aggatattcc aaaaatattg 180
 tccaggaaga acaacttctg atatctataa gtattaagta gttccaaaac acaaattggca 240
 ggaaaaaaat gaggaagac tagaggcttt ctttgacaaa agttgcaaag tatttggtgg 300
 cataccttga gaatagccgc aatatctcac aatgtaattt agaagttgag taagcataaa 360
 ctctaaaatt tgtttccaca accacaaatc cctgaaaata ttaaataagag tgacactttt 420

<210> 22902
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22902

ggcaatctct gaaaaatgag ttataataat tatcagggtt ggcgttaaag tagacgttaa 60

gtgaggaaag gtatagatat tattcaaagc cgctgcatgg atatacaatt atacataatg 120

ctgatctaata taagacataa attaaaaaac atttatacct aaaaaagtca ggcactgaat 180

gtcttactcc aaaagagggg aagcactgcg gctagctgac aaagccaatg caccaagtcc 240

aaactcacat cgcaaacatt ttatgtgtga gtaaataat tttctaatac ttattattcc 300

acanacaata aattcacatt tacttaataa ataattctac aaatcacgtg tttaaaa 357

<210> 22903
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22903

tgtgcaccaa tgcactctcc atgagaccat tcgtgtaaaa agtggagcct gggatgacaa 60

tggtgttttc atctacacga cattaaatca catcaaatac tgccctccca atggagatag 120

tgggataata aagacattgg atgtcccat ttacatcact aaggtttctg gaaacaccat 180

cttctgcttg gatcgggatg ggaagaaaag agccatagct attgattcga ctgaatatat 240

ttttaaactc tccttgttga agaaaaata tgaccatgtc atgaacatga taaagaattc 300

gcagctttgt gggcaggctg tgattgctta tctccagcaa aaaggcttcc ctgaggttgc 360

cctccattnt gtgaatgatg agagaatacg gttcaatttg gcgttggaga gt 412

<210> 22904
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 22904

gcatgtctaa cacagggatt attgattcta ttctacaca gatgtgggaa gcacaatctc 60

aggttttgta tttaaaccac tctcataatc atatccatgg tgagcttgtg actacattaa 120

aaaatccaat atctatccca actgttgatc taagcacaaa tcacttatgt ggtaaattac 180

cctatctttc aaatgatgtg tatgggttag acctttcaac caattcattc tctgaatcca 240

tgcaagattt tttatgtaac aatcatgaca agccaatgca attagacatt ctcatcttgc 300

atcaaataat ctgtcaggag aaatacctga ttgttgaata attgaccatt ttagtggaag 360

<210> 22905
<211> 287
<212> DNA
<213> Glycine max

<400> 22905

aaaagtttct tgaggaggaa aaagtttctct atgttaatcg attacatcct gtatcgtaat 60
cgattacaca agttgtctta agtttgcaaa ggtatgtctc gtatcgatct aattgattac 120
aaccttattg tgattcgatt acacacgtgt cttgagacaa tgactaattt attcagagtc 180
tttgtttaat cgattaccca gtgatatatt caataccttt cttttataag agttcagaag 240
gaacaggatt actttatcga tacattgagt attaattgat acattgt 287

<210> 22906
<211> 212
<212> DNA
<213> Glycine max

<400> 22906

gaccacacag cggcaccagc agatatgcct caaggggtcc aggacacctt acggacctca 60
agtggggagc tataatccaa aaccaaactt gaccaatccc gacccaatcc gggcatagtc 120
agtcagtgag aacctgtgac gcacctaaac agacgagctc ctgccaggca accgatcaaa 180
gaacacagac cacacagccc ggaagctagt gt 212

<210> 22907
<211> 184
<212> DNA
<213> Glycine max

<400> 22907

catgcatgtg ctcgatctat ttaattcctg cgcttccaat ttacactata actgagaaca 60
ctactatctg gtataaaatt gtttaattcc cctgcgggtt ttaacttggt tacataatgg 120
ccttttaatg tctattttat agcaaaattc tttccttttc cacaggagtt gtccttttga 180
gtta 184

<210> 22908
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 22908

tctttccgag ttaatcacgt ctctcacctt agaattttta aaaccattgt atatattggt 60
 tatattctaa ttaaaactag actttttctgt cattaaaaaa atcgtgtaat aaatagctga 120
 tattaatggt tgatgtttgt tattgaaatt gtcgaaaaaa ttccaagctc tacatcaact 180
 agaaataatg agtatatagc gactccagtt tagaagaaat atgaatattc tgtattacaa 240
 aagatattct ccatttagta aatcttcatt ttattaaaag atactactat tttaatatat 300
 cgaactacaa aatatgaaag aatagcgat caaagccact tattataaaa tagtactact 360
 acttccaagt tccaagtatt cttcaacttt tgccattagt aatatgtatt atccgaatct 420
 tgactaagag ta 432

<210> 22909
 <211> 62
 <212> DNA
 <213> Glycine max

<400> 22909

gctggtgaaa acactaatgc caagctgata taaatgtgaa tgaagattgt aacgggagcgag 60
 tg 62

<210> 22910
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 22910

atagaacgct atgcctctat caatagatac gaacatccat gattctattg tctatcgaca 60
 tgttacaaaa ccgaattga agatgcactg ggactatgag agatcgatcat aaacaaactc 120
 cacaaccgat tcatccatta tctcaccacg ctgcaaattc attatacata cagccccact 180
 acggccgaaa gagatgattg cctatggctc gagcaatacg aattcaattt atgtatgtta 240
 gtcggggaca atgcgaacaa caaccactca atcaatcatt tttaagaacg tttgaaataa 300
 cgttatcatt caacgcaaaa aaattgcctg actcttggac agatttcaaa cggacccttt 360

acagatgtct gatatacaag aatcgagatt tccatgtatc atccccgaac ttgtattatg 420
 gttcacagga ggaagtagga aacaataatt cggaacctcg ctattctcat aatagacagt 480
 agaaattccg tgg 493

<210> 22911
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22911

cagcctgaac aagtatatat cttcgcttcc tgccattctt ccattctcct gcagagaatg 60
 ggattcttaa agtcttaaca tgccgtgatt gcaagcataa tgatgtcacc ttttatcggc 120
 tttcttgctg acagtattga cttgtaagac tatcctgctc ctagtgggaag tgactgatgc 180
 tcattcttctt gccctaattg aaacttactg ccgagaatca gaggtcagga cccttcacaa 240
 gcacatagag aaaatttacc gaaaggtctg tgataagttt cagtcactaa cacagtgaaa 300
 atgctatatg gtgtatatgg tctgaacaga gaaccogtca tgactagccg cttcaatagt 360
 ttatgctgca ttagtgcatt ac 382

<210> 22912
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 22912

tcagcccatc tatgaacgta ttcaattgga ttggctctga aaacccatgg gtgggagttc 60
 ttctcaataa acctctgaac ctctccaatg cttcactcag agattcatca gggaactggg 120
 gaaatgaaga gattgctgct ttccttccg tagtcttgga ctctgggaag tatttcttta 180
 gaaacttttc aacaacttct tcccatgttt ttagactgtt acccttaaag gagtgaagcc 240
 acctcttggc ctctcatgcc aatgagaatg agaataggct gagtcttata gcttcatctg 300
 gcacaccaac aatcttaaca gtgtagcata tttcaatg 338

<210> 22913
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22913

tacaaaacaa gaaatgaatt gaaagtctcg gattttaaaa cttaccggtt gaagaacgaa 60
 gaacggatga agaacgatga agaacggacg aaacaccttca cgaatttgct tacggaaaca 120
 tctcggaagc gttacggaag cacctcggct tggattttct tcacggaaac aatttttttc 180
 acccaaaaca gctgaaatac atagccaggg ggctgaggga tccttcgaac agcccccttc 240
 agccttttta taggaaaaag ggggaggagg ttgccgcca gctcgcccag ncnaccttat 300
 ctgcccagg cgagctgggc g
 321

<210> 22914
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 22914

aatggggtgt ccacttaaga agccacaaag gaggttctca ctgaagaaaa cttggagcca 60
 gactaagagg tggaggaaag agaggtattg gcatctccct aggttaacat tcctttccct 120
 caaaggctaa aaatgaacat catgatacgc aatttaacat ttcattgaaa taatgaagag 180
 attgacatcg acattccttt cattgaggta tttcaciaat gcaaaatatg ctcatgtagta 240
 aatatatatt ccctataacg aaaagtggta gattttgatt ggtgacttaa tgaaaatgga 300
 tgctatatct gagaaatacc caaagttaaa acct
 334

<210> 22915
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 22915

gtaggataca ccttcaccaa agcccatatc aatatgaagg ttctaggaaa ttttttaaag 60
 gtgtgggaac taataataat agtcatccaa gaagctagaa acatgaaaac tctatcttac 120
 gataagttga tgagagtgt atgtgtccgt gagattcacc tccaaaacag agaccatctg 180
 ccacaaaaat tttactgcc tcaagtctgg agagacaaac ttgagaagag aagaaaataa 240
 gaacttatcc aaagctctta tagtttagat gactaagtct gaagcttcaa acaatagctc 300

tagagggtcc acagatgatg aatcggtctt aatgttcaaa aagttcaagt agatgttgaa 360
 aaagatagga agaatttagc actcctctag aaagaaggac aacacattca 410

<210> 22916
 <211> 164
 <212> DNA
 <213> Glycine max

<400> 22916

aaaatttaag tggccctacc cttaactatt caacttatga taaggagttg ttgccttata 60
 cgtgctttaa aacttggaac actaccttta tccaaggaa tttgtcattc atagcgacca 120
 tgattccctc aatatattaa cgggcaacgc acgcttatac aaaa 164

<210> 22917
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 22917

tatggatgga atacttactt gttggtgatg aacatttgct cataacggaa tcaaaacatg 60
 cgaaaaagga tgaccctatg gctgccaatt cgtcaattcc gtgggtatgg cttttgaaag 120
 gggggaaaag aattttttga atgaaaaaac gccccccctt tcgtcatttt tataatttgg 180
 tgcaggggtg gctcgcccag gcgagctaac ctgcaccttt aatttatttt cttctttatc 240
 ttttagagct tgaggggaac atta 264

<210> 22918
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22918

tgtgcgaatc aaatcactcc tgcattttat ctctattatg cattctttct ttctttaccc 60
 actcctcacg tttggttttt tagggaaaaa acaccataac taaacgcgcc acaaggcatc 120
 cctatcgac cagatccaaa tctagaacga tgggtgatca agaggagaca caggaacaga 180
 tgaaagccga catgtcggct ctgaaagaac agatggcttc catgatggag gccatgttag 240
 gaatgaggca gctcatggag aaaaacgtgg ccaccgctac cgctgtcagt tcggctgccg 300

aagcagacccc aactctcttg gcaactacgc accatcctcc ctcaaacata gtaggacggg 360
 gaagggacac actgngacac gatggcaacc ctcatctggg atacaaccgg agcggcttac 420
 cc 422

<210> 22919
 <211> 140
 <212> DNA
 <213> Glycine max

<400> 22919

tatgaacttc agctgccaag attgtctcga ttcttgcaact aatagcgta ttccaaatca 60
 tgtctgccgc gactgtgatc atgatcagca gctctccaaa attcaagccc agatcataga 120
 aatggaccga aagctacttg 140

<210> 22920
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22920

tgctgctaga cgctttcaga atcccaagat atgtttataa cttgatgggt ctgatgataa 60
 tggatgatgtg cttccatgg atatgcggtc atagtaaaaa taagtttctt ttctcttttt 120
 ttttcatctg cggatgttgt ctttgagttt ctgacaattt ctctgctatg gcagtaccga 180
 gtcccccttta ttatggatta cagcagatcc tgatatggag taccttgctg aggttcattt 240
 taaccaacca gttcagatgt gggtaaggat aaaattgtgg tagactggta cgggggcagt 300
 caattgattc tgtggagttg ctattgtgac atagtacttt gccaccctat gagaggcact 360
 gcatatgttc aattatttaa gtccttcttt ct 392

<210> 22921
 <211> 150
 <212> DNA
 <213> Glycine max

<400> 22921

taatgaatga gcgtgcataa aaaaatgagt aattcttcgg aaagaattac gtgcagtaat 60
 tttgtgaagc agaggtgaaa gatttagctg cgcttacgac acgggctctt atggcgaaag 120

aaattttact ggtctgaatt gtggaaaaga

150

<210> 22922
<211> 416
<212> DNA
<213> Glycine max

<400> 22922

tgtatggctg tgcgagatct gtcacgtat tccattttgc cttagccaga atctgaaatc 60
tggacgaatt cccttcccac ctgcatatat ggcatatata gcatcgccga tcataggatc 120
ttttcttgat tccttttatgc ttgccctctg atacgattca actccaatca caacctaaac 180
cacaagtcgg attgctctgt actaaaaatc ataactgcta cttgtaataa gaactgggcc 240
ataatatgca taaattccat agacatatgt gcgtcatcta caccggccat taagacactc 300
atacatccca ctgggtctaac atggaccact ttaatcttta tctgttctt ttcctttctc 360
tgtacacaca gaccactttt tatctgtttt ttactaaaaa acccatgcta aacgct 416

<210> 22923
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22923

tctcaattag caaactaaac agcttttcaa cagaagacaa gtgcctcgag gattataata 60
atgagtaatc ctttgtattc taattctaatt ttcagaatta cataagcatc anaattttga 120
ggcataaaaa ttcagattat agaacananaa cgataaatct ttatgtcgca caattataag 180
aataaatata aagaattcaa tctagtctca atatatttc ataaatttca caactaattg 240
ggtttatcat ttagttctta acctctctca aattgggtcta agacctggaa gatgaagaaa 300
tagttgattg atgaatgaga gt 322

<210> 22924
<211> 390
<212> DNA
<213> Glycine max

<400> 22924

gctatcacga gcgacatcca cgatatgtgc ttaatttctt cttgtgggaa acgtcagcct 60
 tgccggtggc aagatagaca ttgaccacag gtctttctgc cccaagtggc ctagtggcca 120
 atgatcgtag ccgtgtcacc ttgcgtgtct acttcaacgg acatggagac gctgatgcct 180
 ctgcatgagg acgaggaaga ggaggaggat gcgatgcacg tggagtatcc atggtccttt 240
 aaagagaaaa agttgagtta gggaatatta tcagaagaca ttgtatgagt tatgtaaatg 300
 aatggaccga aatgaaatac tatattagaa aattacgcta gacgatgtct aataattctc 360
 cttcatcatg atcattacga ttagcatgaa 390

<210> 22925
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 22925

gacgagtata ctgattttca ggaggaagta gggcgccggc ggtgggcacc actggttact 60
 cctatggcca agttcgatcc agatatagtc cttgaatttt atgccaatgc ttggccaaca 120
 gaggagggcg tgcgtgacat gatgtcctgc gataggggtc agtggatccc gttcgatgcc 180
 gacgct 186

<210> 22926
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22926

tgagaactgt aactaagctt aatatcattg aaatttctat taagaacaaa aataattatc 60
 ctagtttaaa tgagccattg actaccatgg atcaccagta atggacctga tttccctttg 120
 tagtgtcaaa accatcaa atcctgagatga agtgaagtaa cagtgcagaa gtgaaaatgt 180
 ctacaatcaa tgggaattata tttctcaata attcttaatc tactatgtac caagactatg 240
 aaataaatta taaagaaaga aatctatgac agaggagctt aaatttgacc gaaagaatca 300
 cattgtttca aaagaacacc ttctgacaaa caaggcttat ctaattatca gaactntcta 360
 ctatctctct cccactgang tcaaaatacc agtgcacatg tttaagt 407

<210> 22927
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 22927

aggatgatgac attggaatat gtgaatgtcc attaatctga tgcattgacta acgagaacca 60
 cccttacaac tacgttagact cataaccgga gatagggttg aggtcaagat ctaattctaga 120
 gaattagttg gtagatgtgc acaccaagct tgaacattca ttccggaccc tttatgtgag 180
 catcaatatt atggatcggc tcttagcagt taggacaggt gcaagggttg gaattgttatt 240
 gggtggcatc agagtcattg tgagggcatg caaaattgaa gagatctgat cccttctgat 300
 cccttgaggt aataaagata tatatacgcg tcgatgtt 338

<210> 22928
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22928

aacctgttcc attttactga tcgttgatag acatatatta taacaaatag gcgacatata 60
 aataaatgaa ttaaatatgt ttgttttaaat aaatgatcga attgtattct ggatctctaa 120
 taaaagaatc tattattttg agtcattaat atattaaaaa tcttgttttg aatctctctt 180
 atcagntatg tgatgatgtg atatcatcac aaccattaa taaaatttga aaaattaatt 240
 tgtaaggatg tacgtcatct gctcactaat gataaagatt aaaaataata cttatattat 300
 caaggacttc aaacaccata ctaaattcatt acacatgtgt aataaaataa tcatttatta 360
 ttgac 365

<210> 22929
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22929

tgaaatgcan aaagactcnt taaaagttca atcatgtgtc tctgattgga aaaggtaaaa 60
 aaggatcatt taacataatg taaaaacaaa caaaccaaat aaaataaaag gactaacctc 120

aatttacaac cggtaaatac acagtagaat catgaaaaag agaattgaat caatttttat 180
 ttttttttta acagcaaata attgaatcaa ttgatactgt tgggaaaatt atttctcaaac 240
 caaccaagaa agaaagatgg atttttatta ttatattatt atcatatact acaaggtaag 300
 aatgaaaaat tagcatatac taaaagagaa tctagcctat aataattgga atctgccaca 360
 tcccaaataa gaaaaaccac tcatagtctc atacagtgc aacaccagca tactggctaa 420
 ccagcaaaa 429

<210> 22930
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 22930

tttttgcttt agcaattcta atgtgtagga ctccatgagc tgtttataac acaacttaaa 60
 atttaactct gttgtggcat acaaatgaat caattgatca tcttggtatt ggaactcttt 120
 gcttaatata taatggtaaa atagtttgaa tgacaagaac ataatgaatt ggcttatacc 180
 aattttcagt atgatcattc cttatataga atttgaacgc tggagtgatg ttatctgagt 240
 gatttttgt 249

<210> 22931
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 22931

atgcatttta tctgatgaat agtaacaaag gcatttgga gatttatagg taaaacacgc 60
 ttgtcatcgc gagacatctg gggcaacgta atctaataa tgagggtagg ataaatctac 120
 ctgattaata aagaaaaacc taataatcat acatcttaag caaacaaggc atgctacgtc 180
 ctaacattct catccattg aatcctctat tgattattct gttcatatt atgagctttg 240
 tctacaacta tctgctatta attcctagac cttttattta tctgtatct ctctttattt 300
 cttttcttat aaattgaaca tcatacaata catgtaccat actgagtccc tggggaattc 360
 gacactctga cttctgagtt ttatactact tggaca 396

<210> 22932
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22932

aaatgtgcat aaagaacaat aaagatgtca tagatacaga attatctttt tacaaggaac 60
 tttattttgt cttttctaga gatttggtgc aaaaacaata ttgaagggga agaccaatca 120
 tatttggaca gcagataata aattataaat gaaaaataga aataagatat gcacacttac 180
 ccactgtctc tgatgccttt aaaccaatth cgaatatctg attcattggg ttcagcgtat 240
 ccttctttat tcatgtcaat cttagatcca tctgtgacac cctttatagc aataacaaga 300
 taaggttact tacanatatc aacagagtat taaacaaana ttaacagaat tatctctttt 360
 gtttgatcct taccagcag aagaaagaca taacaagaaa tgcgttcgcc taaagtatat 420
 gctctccctg 430

<210> 22933
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 22933

tctaatttct atttccaaaa caaaatctaa ttattataat ctcgaccatt aatgagttga 60
 ccattatttg accaaagaat tttctctgaa ttattcttat tctttctagg ctttaggtta 120
 aaaacttcaa agtttaacca tgcttaggta tcctatgggt aacatctcat tttctaccac 180
 tccaatagtc taaaaacact actcaatcac aaaaaaagc aataaacta tctaccacac 240
 acatggaaaa ttgggatggt acactcaaca tctaattatc taggactacc ttgagatcaa 300
 agtaccgctc cactcttttg acctatctga aagaatcttt ccaccgaac aatggatatct 360
 tgagctttct ctgatgattt tctcttgagt ttgaaactta aggtgttctt cctcttcagt 420
 cct 423

<210> 22934
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 22934

tgcttggtggg gcttctatgg aggctgtatc tttgatcttc aatgggggtcc tttaatggtg 60
attatccacc atggagatgc agcggaagac aaatgaaagg aggtgggagg aggcgccatc 120
cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
gcttggagag gatgcttcaa tggaggacaa gaaagaggga gagaaagagg gaggggggag 240
cacgaaattg aaagaataaa aaggagagaga agttgaactc tgagttgtgt ctcaaacagac 300
tctcattcat caaagttaca acaagtgtta cacatgcttc tatgtataga ctaggtagct 360
tccttgagaa gctttcttga gaaaacttcc ttgagaagct cttttgagac aacttccttg 420
a 421

<210> 22935

<211> 189

<212> DNA

<213> Glycine max

<400> 22935

tttaatgaaa tataacacgt aacctaactt gtaactttgc atttgtaggt tacgctatct 60
tacagtgcac ttagctgcct gcatttttct attttcttgc tttagatcgc gacccaagtc 120
aacatggctt agcctgggtc tgatgacgct caaagcagtg tttggaagcg ctatgtaaca 180
tcaatgact 189

<210> 22936

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22936

ntgtgtacac tgagagcaga taagcatgtt agagattaga ggctacatcc ttatctcact 60
ctctgcagac tacagcatgc cacaattntg aagggtatat gttatgaata tgatgccaca 120
tttaagagga cagaatataa atccaccaag agaagtaaca ttaattaaata taacaataaa 180
ataaaaaaga ttactcactg tgagaggcca ccctttcaaa gtcaaattat tgctacctgg 240
atttgatcct gtcacaagaa aatctcttgt ttactccatt tatgcgcaaa aatagtaatt 300
aaacatcata acgaaattaa cactaaatcc caaaatatcc tcaaccaacc atgaataaat 360

tgcaaaggaa aaaaaaattc catcaacttg cagcaaaaaca gtttcaaat aataaaaaatc 420
 agt 423

<210> 22937
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 22937

tcatactcac caataacata atgctcagga tgctcaaaag gtacacaatg ttcagggtaa 60
 tcaagatgca caatatgcct aactaatcta tgaaatgtcc tatctatddd aggatgaaag 120
 ggttgtaagt cacctgcatt gcctctagtc atgcactata tgcagcagtt catgcgtttc 180
 tcacacaggg cataagaggt ggggttaaac tacagctcta ctaagaaaat attcaagtgt 240
 gctataatddd tgtgagcaac accctagaat cataaaacga tagcacacat atgtttataa 300
 aaatattcaa agtctaataca tggaaactac ctaagga 337

<210> 22938
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 22938

tctttgagaa aacttccttg agaagcttga gcttatctac acacacccat ctaaaaaacta 60
 agctcacctc cttgagaagc ttccttgaga agctagagct tagctacaca caccctctta 120
 ataactaagc tcacctcctt aagaagagaa gctagagctt agctacacac ccctataata 180
 gctaagctca ccccatgac aaggctaaaa aatcctacat ttctagggta cccgacctac 240
 attatggagc cctaaatata aggctaaaaa ataatgaaat cctagtctaa tatgtacaaa 300
 gataagtgga cccaaccttg gcccatgtgc tcagaaatct accctgacgt tcatgagaac 360
 cctagggcct tcttcagtag ctctagccca atcctcttgg agcctttttgc tcatggctct 420

<210> 22939
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22939

taaaaagaga gagagcaaaa gcatccgttg ctatcaagtc acttcgacaa aagatggaag 60
acaaactgaa gacagaacta gaacaaaagg tgcacaatta gtttttttgt tggttttaca 120
cgtactatatt tcccactttc tcaacatgta tgctgttagt gttatcagtt actatatagt 180
atttgttaaa taaaatgtat ttttggaat tgcatgaaat tgaaactaat ttgaagttga 240
aaciaactca ngaattagca gaggtagact taaatgcagc cataacaaat gagaacacaa 300
ct 302

<210> 22940

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22940

tgatcctcat catcaatagc aacatctata ttttctatat caagaatcag tttattaaac 60
aaatccaatt gttctactac tgatctatct tcaatcattt taaacgaata caaagactgc 120
tttaggtaaa gacgattaac taaagatttg gtcattgtaca aaccttcaag ctttaaccaa 180
atcccagcag cagttgtttc cttagagact tgccctcagca ccttgtctcc gagactgagg 240
ataattgcat tgtgtgcctt ctgcagtagt gctttcttat ccccatcagc catcatcttt 300
tcaagtttgg cttctccatc aagtgcctcc accaggccct gctaaacaag aatagctctc 360
atcttcaatc gccatagccc agaatcattt tgccctgtga atnnntcaac ctcatacttg 420

<210> 22941

<211> 289

<212> DNA

<213> Glycine max

<400> 22941

ggaggaaaaa tcaagttgaa gactctagag gaagcaatgg agctcattga gaatatggta 60
gctagtgatc acgctgtttt gcatgatagg acacacatcc ctaccaaag aagtctgtta 120
gagctttctt cacaagatgc attgttggcc cagaacaagt tggtggctaa gcagcttgag 180
acactcatag agacacttag caaattgcc aagctgctgc aagtagctca accatctcac 240
tcagcagtta tgcaggttgg gggctgaagt atttgtggag gggctcatg 289

<210> 22942
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 22942

tcttatccaa gacactttct tgggtggtgaa gcttcttctt ccatggctta ttctctagtg 60
 gatggtgcct cctctcacct cttctctttt atctttcgct ataactccat ggctgaaaat 120
 caccattgaa ggaccttatt gaagcttaaa gatccaacct ctatgatgca atcctacccc 180
 gcaagggcat tgggtagaag actcaaagta gattgggcta gagatccaag ggaaggccct 240
 agggttctca tgagccttaa ggtagatttc gagcccatgg gctaagtatg agcctgctta 300
 tctttgtaaa tattagaata ggttttccct tcgtctgggc cttgtacttt ggccattcta 360
 atactatagg gttttagcct tgtatttcga ggcattttga gtagtttttg tagtaa 416

<210> 22943
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22943

tcttctgatt gagcaacctc aataccaaga aaatacttca gatatcccaa atctttggtc 60
 tggaagtgac taaacaagtg ttctttaagt tgggcaatct tagtagtate atttctgtt 120
 atcactatat catcaacata tacaattaga taaacatact tctcaggaga tgtatgacaa 180
 taaaaaacag aatgatcagc ttcacttcat ttcaaccan naagttgaac ggtatgacta 240
 aatttaccaa accacgctcg agggattgct tcaaccata gagagatcga ttagctttac 300
 atacgagaat actccnctg agcaacaaac ccaggagggtt ggctcatata aatc 354

<210> 22944
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 22944

tctacttatg tggcagggcg ggcttccttc actttcctgt ctccaacgcg agctctgacc 60

actgtccttc cttccccggg tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtcttt 180
 gcctaaaccc atccccgggtt cataaccgtt ccccaacata actcggggcca tcattaccgc 240
 cgcacgggac agacaaggtt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc 300
 aaaagactgg aaagcgggtt ctaacgattc ttctgcggct tccacataag gcatggagga 360
 tgggcagctt accaagatat cttcctcgcc tgatacgatg accaagtgcc cctccact 418

<210> 22945
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22945

aataaaacac aatattccata ggtggatctc ctattaagta taggtaataa tctccttata 60
 ccctctattc tcaaactcta atccatcctt ttactagtga tcctctaaga aatattagaa 120
 ttctgttggt agatctatca aagagtaata ctagctaccg tgattagtca caacacgacc 180
 aaaaaaaaaa cattactact aacatgggat tataacttaa tgactagtaa acaatggcat 240
 tcanagatca gcagagccag tcaatttggg gaggccaaat gttatggcca tagccatcca 300
 accttcaacc agaaccctaa gacaagacct cgtcactgga gtttttccaa gaacta 356

<210> 22946
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22946

ntcaacaagt tccttcacaa ataatcatca cacagcttaa aactaacaaa accacccatc 60
 atatctccca aaaccccata cccacgaaat tcaaaggaga aagaagtcca gccaaacctg 120
 aattttcgaa gtccactcg tagccacgca cttcacgact ccgaaaatgc tctcctttca 180
 cgatttgggg cagaaacggg cactaaaggt tgaagctttg tatggagctt taatggagaa 240
 tgagggagga agaaaggcaa cgtgagggag agagaaagct gtctaaaaaa agaagtgagg 300
 gctgagtga gagagagaaa agctttntgg ttttaataaa aaagggtttt ccctttttcc 360

attattttat tcaagctctg ccacatgtcc ctatttgatt ggag

404

<210> 22947
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22947

cgacgagtat actgatttcc aggaggaaat agggcgccgg cgggtgggcac cactgggttac 60
tcccatggcc aagtttgatc cagaaatagt ccttgagttt tacgccaatg cttggccaac 120
agaggagggc gtgcgtgaca tgagatcctg ngttaggggt cagtggatcc cgttcgatgc 180
cgatgctatc agccagctcc tgtgatatcc gatggtattg gaagagggcc aggaatgcga 240
gtatggccag aggaggaacc ggtctgatgg gttcgatgag ga 282

<210> 22948
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22948

tgatcaaaac aattatctaa tcattccaat ccacttttat catacaattg ctcatcctaaa 60
tcattctcaa aactcattt catgcaaaac aatccactac atatcatttt caatcaattc 120
attgttcaaa cacgcttttg gtacaaacaa acaactcaaa gtgctgaaat ttatataatt 180
gaaatttaaa aaaattgaaa tataaaatct gaaatttaaa tgactgaaca taaatcataa 240
aataattgaa aataaactaa aatgttcgag atgcacaaat ttaaagtgtc tgctcctgtg 300
gttgtccta tgcattgtca ttaaagtcca acacctgagc agctgggtgca gatggtgtgg 360
cataatcaag tatgggtgct anggatggct ttgggatctg gttttagtaa gcacccctct 420
cttgagccct gttg 434

<210> 22949
<211> 186
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22949

atttcaagtt tcaagttttc aagaatcaag aatcaagaat caagaataat caagaacaag 60
 attcgagact caagattcaa gaatcaagaa aagactcaat caagataagt actaaatttt 120
 ttttcataac attgagtagc acatgaattt ttcacaaaac cttttaccaa agagtntgta 180
 ctctct 186

<210> 22950
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 22950

tggtgccttt gtcgggcaaa ttcttgccgg taacgttgag ggttctcttc ttgctctgaa 60
 tcgactccct gagcttgatga tcgggaatag cggagagggtc gtcttgatcg gcggaggagg 120
 aggccggcag gatgtcgtac tcgcgcggag gcgagtcact ttggaactgc cggctccagt 180
 caatggggag aggactcttt ggtttttggt gttgcgctg ttgttctctc atcgtgcatt 240
 cgacaggaga gtgagttgaa agtgttggtt ttttacgtta cttgtgaaat tggtgagagc 300
 agaaatcgaa catagaaaat gggggcagcg agtggcgcg caccaccaca caccacactt 360
 gtgtgtgggt ggctgctcgt ctactct 387

<210> 22951
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22951

tcagacaatc caaataatta agagacatta tttttctgtc atgagcatct ttaatgttaa 60
 acattagtat atcttcgcta ttaaacaatca ttagaccaat agagttgcct aactttattt 120
 ttatgagctc tattatataa catctttaat aaatntaaca acttttttca ctttttaata 180
 atgtaactct tcatatctaa cttaaaatag atctaataaa ttattgtaga tgtttatatt 240
 tttttaataa ggaattattt taatattaaa aacaggttct tgcaaaagaa gaatatgtgt 300
 agtctcttgt catctanata actctaatag tanaagtgggt ataaaattaa ttgttaagtt 360
 aataaagtct taattaaga 379

<210> 22952
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22952

ntatagtttc aaatcataag ataacatagt aagactatat aagcattatt tacacacaca 60
 aaaaagtgtc cccgaccccc acaacaacgt tgtttcaccc atgcttcttc atcttttgtt 120
 tctgcctcca tttttttgaa gctttttctt gaaaacaaaa gaaacaaatt gaaatattcc 180
 cttcaaatca tggccataac tcttgttcgc ttgcgaaccc aaatccatgg tgccttcat 240
 tgctctggt gtctccttg cctccacctc taattcctcc tctatgattt catttcttt 300
 gatttctctt gttcctctat cttcttcaac ttcttgaacg atagaagaag atgaagcgag 360
 attaagcatt tcaacttctg gttcctctct gggaatcttg tattcatcat cttggctgaa 420
 gagagac 427

<210> 22953
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 22953

gtcctgtggt gcagaagggg aaaaatccat ggttgtgaca tcctcctcat cctcagagag 60
 ctccagcaca ggcgtgccta ctggtgatgc ctgtggggaa gtcaactcca gcacaggtgt 120
 ggtcactggt gatggttggt gagtcgagtc aggagtagcc tccacaacgt cctcctgagt 180
 agctgggtca gtctctatga tctctggctc tggaatctct aagtcagcct ctggatcaac 240
 atctgtatca gcttactga 259

<210> 22954
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22954

gacactcaga gtactcaagc ttgttagttt gtcacccctt tcattagttt tttttttata 60

cctaaaattg atttccagt cctgttaatt tatgcaggat ttaccaagta gcaaattgtga 120
aatctgaatg gaactgtatc aaaaccttcc ctgatttatac tggaacaggt tttatacctt 180
tttcccattg ttcattattc cttgagggtt tgatgatttc atgtttgttc agttactaat 240
acacaactcg aactttttct tctcaggga gaacacgtgt gtaaaatttg gtccagattc 300
taaatacata gctgtgggat caatggaccg aaatcttcgg atattcggct tgcccgggtga 360
agatgctcct actgagtcac aaaatgcctc agttgtacaa gccanagtct tgctctggag 420
taaaca 426

<210> 22955
<211> 252
<212> DNA
<213> Glycine max

<400> 22955
ctgctgggta taccgggtctt ttacaagaga gatccttctt atgtcagaca ccataaagggt 60
atctatggag aagcaatgac taaacatcac gacagggttca tagacaagat ggagaagctg 120
caggaatgga ggatggcttt gaaacacgta gctgacttgt ctggctctca tttcacagat 180
gggtatacaa tcataactaat atatattact ttatggcttt tattggatta cgacttactt 240
gtctattgat tt 252

<210> 22956
<211> 377
<212> DNA
<213> Glycine max

<400> 22956
ctaagcttca gatttataat agattcttaa aattattatc tattaaacta tgacaaacag 60
tgaactggtg ggacctttca gaccttctac tatggacttt attaattggg gcgcataata 120
catgcataca gatattatac acttacaaaa tatatcagag atgaacaaac aatttaacat 180
ttttcttttag agctagcaag tgctgggtct cttgctaaca gtttcaaaag cttacctttt 240
cttccacttt cttgaataat gtggatatag tagcctgaac aagtgaacca cgattactgg 300
acttaacttc agtagatgca ctcgctgaag cagattgaga cacttcctta cattttgatc 360
gagaagcaaa ctcatta 377

<210> 22957
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 22957

gagaccactg atgataatca ccacacgata atgcattgct gtgattgaca ctattattct 60
 ttccttagga atactacaaa gcttactttg tctgtggcaga atacgcctgt gcatagatag 120
 caccggcgag cgtccttgct catagatgcc ttgtgtgaga gtgaattatt atcactaggc 180
 cgaatcctac agacttggtgt ttgcccataa aatgaagaca gaaacatgcc gacagcatat 240
 tgtacgcttg actgatgagg agtgcactcc cagatctcaa ctggatattt gcaaataagg 300
 aggatagaac aatgaacaaa tgtacaaaat tgctaattag tatcttctta aatgacccca 360
 tgataaacat ctgggatcga ttgagccaac aacgtacaaa ggggtatacgc atcctgattt 420
 ggtgccctgc ctctgctaaa tccagatgga tccct 455

<210> 22958
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 22958

catacgaggt acttacgct taatgccatt caaatcatgc tatttcattg acagacatga 60
 ccagagaaga tccctcaata gaagtttctt tgatacacga caggatgaac aatgaatatg 120
 cctacgaggt gttgtacgag acagcttact ttgggaaaca aaaagccatc gcaatacaat 180
 atggagattg agaacacgta tatgcgaaac tatcttcgaa tctaacacac ctgctaaagc 240
 agttctcctg catcatatct tcgaatacta catgaccgat ctattat 287

<210> 22959
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 22959

atttgataaa tatccccaat attttgtgtt tgtgtgaata taattttgtt tgaattttgg 60
 gtaggatttc aattttgaca acctttggta ctaggatcaa tcagatagag tatatctgtt 120

acaacctttt ttttttaaaa caaaataaaa ctccctaaat ttgatcctcc aatgtgcaca 180
 ctcttatcac attacattag tgccctcataa aaatatgggt accaaattag tccctcgaag 240
 atactattct taccacttta gttctcttaa g 271

<210> 22960
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 22960

tgtattgctc gccctcaaca cccaacacac accaaatata aagaagaaaa aaaatctaca 60
 ttgctctaaa ataaaagcat aagttcattc cccgccaaag acagcactga ttctttacaa 120
 aatattacat ctgtatttct ttcttctaga taacgcgaga gcataaaact agaactacgt 180
 ttaaactata tatatatata tatatatata agaacctaga aaatcttgaa ttaaaagcca 240
 aagaattcac acgacaaaga ttatacaaaa attgatgaaa gcagaggaac aaaattgaag 300
 gccacagcaa gcatttatag acacaaatga ttgctcacgc aaaagaggtg tataaatctc 360
 cactagactg aaaaatatct gtccttttct ctcaagctga gtggtggaat atgtagcaa 420
 tcaa 424

<210> 22961
 <211> 251
 <212> DNA
 <213> Glycine max
 <400> 22961

atatcgagac gctcgaaatt gaatgttgaa gctcttagca aattcaaaca acaataacct 60
 tttactcgga tgactgattg agtcccggaa tatattgaga cgctcgatca tgaatgttga 120
 agctctgagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtccgata 180
 tatatcgata cgctcgaaat tgaatgttga acctgtgagc aaattcaaac gacaataact 240
 tatttctcgg a 251

<210> 22962
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 22962

tcaacatcag accacttcca ggggtgctgga actacttcac atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240
cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcaactcatga 300
gttctctgca gccatcacac cacaacaaaa tggcatagtt gaaaggaaaa acaggactnt 360
gcaagaagct gctaagggtca tgcttcatgc caaagaactt ctctataatc tctgggct 418

<210> 22963
<211> 330
<212> DNA
<213> Glycine max

<400> 22963

ccgccaagag gacaaaggat aaacagccta tgaactatct ctgctgttaa tgaaggcatt 60
tcatttatgc attaataaca tcatagttag ctggaaggca tttcataaac ttggaaagcc 120
atcttagctc actgaaacca ctgcaataaa ttcttaaaca ggcaagcatt gaaagcgatg 180
actacagtat gatattaaat gcacctgaac aaagatggga tgataaatag gaggattctt 240
cccatcaata aggaaaaact aaacgctgca taactcttct cttaatacct acatgaaaac 300
aaagtagtgc aaaaacattc tgcttttctt 330

<210> 22964
<211> 359
<212> DNA
<213> Glycine max

<400> 22964

tgtaacgatg tctagctttc ttacgttgt ttattatgac accagatcta gttegggtcat 60
cacgttgctt aattctcttt acattgcaaa tttcactgct tgcacaatta ggactatttc 120
ttgagtggct tgtcaagttg acctcttatt atattgtgtc ccacacgcca atcactctcg 180
tatctacgta tgatgggtgag catgatgtat gctgtgggag attccctaac accttctata 240
aaaaaaagac ctagcttata acatatattg ctgcacctaa tgaaattatg ctgcttactt 300

gcactgacta gagactcctc tccattgctt attctattat tcttatgcc aactcaact 359

<210> 22965
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 22965

ggacctaaga atactcagct tagacaaatg gatgatgtga gaaatttctg ttatgttaat 60
 gaagagtttc aggttattta tatttacctc gctatctaata ttggagtctg attcttcctc 120
 ttttgggtct tcatcgaatg atgtgtcatt caatacttcc tatgtgttca tcaatacttt 180
 cttgtccctt ggtttggagt accttttctt gtgaactgat atatcaagat ctggacattc 240
 tgacttgaag tatcatagat tcttttactc atagcatatg atgaagcttg tacccttgct 300
 ttttctttct ttttatgagg cctctaggat ccattccagt ttgatccact ccctttcttc 360
 cataagatcc ttatcactct tgagatgaag gctaactgat catcttcac agagctttca 420
 tcatt 425

<210> 22966
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 22966

gaatttatgc catcccatgt agccatcatt accttcttct ttggacctct tcttttgaat 60
 tctttcttta ggaaagaaaa ctaagacttg atatagcgag acttggttga ttcaaagcat 120
 ttgacttgcc cagaggtttc tcttggttg aagtctcttt tgaagtagtt ccttcttgct 180
 ccttttctcc ttttgagcaa ttttgaaccc tttcagtcgt aaaggccaat tcttctttat 240
 cttcttcttc ttcttcttct tcagagagct cggcatcact atactcaaca tcaaaattgg 300
 atacta 306

<210> 22967
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22967

ntattcataa ttgtcgtcca ctctacaatt aagtatctat ttttgaaaaa aatagtatcc 60
agcatctaac atgctgctaa tagaacaac attgaaaact aaaggatcat ccactacact 120
tttatcacac atccaaaagg actcttaaac acttgcataa atttttctct cttttataag 180
tgtagttcaa taatgagtgg atttaaaacta atgtttgaat ctagcatgat taagacagat 240
ttagaaaaga cttattctag atcaatccac tattagaatg gtgaagagct tgacttattt 300
aaaaagattc gcaccttcat ctgctaattgc gctataaaga ctaacaacaa tcaaatattg 360
aatgacaaca atcaagtga aagagatcaa gtcgagaatg caaaagataa tcaaa 415

<210> 22968

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22968

gacgctcgaa attgaatgtt gaacttctga gcaatttcaa acgacaataa cttttttctc 60
ggatgtctga ttgagactcg taatatatcg agacgctcga agttgaatgt tgatgctctg 120
agccaattca aaccacaata actttttgct cggatgtctg attgagtccc gtgatataac 180
gcgacgtca aaattgaatg ttcaagctct gagttaattc aaacgacaat aactntttac 240
tcggatgtct gatagagtcc tgcatatat cgagacgctc ggaattgaat ggtgaagctc 300
tga 303

<210> 22969

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22969

tcaacattca attntgagcg tctcgtaatt ntactgtact caatcagaca tccgagtaaa 60
aatttattgt cgtttggatt ggctcagaga ttcaacattc aatttcgagc gtctcgatat 120
attacgggcc tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180
cttcaacatt caatttcgag cgtctcgata tatgaccgga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaattttga gcgtctcgat 300
 atattacggg actcaatcag acatccgagt aaaaagttat tgcgtttga attggctcag 360
 agattcaaca ttcaatctcg agcgtctcga tatattacgg gactcantca gacatccgag 420
 t 421

<210> 22970
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22970

agtgttttga gaagcttagt atctatacaa aaatttataa aaagctttac acgaaagaat 60
 atgttcgcgt agatgattca tgtcttattt ctattccata tatatagttt tcattttcat 120
 gtatctattg tctcacaatg gttaaactca tcaactgtgt cttcatctaa agtcttgagc 180
 ccattggagc atttacgtcc tttctttaag caaagtccat gttgataggc tagtgtgtct 240
 tgtactttag taggaaagtc acttctttct tcatagtaag tcagcaacaa cagaatgcac 300
 acctantgat anggatcaac ttcttctaga ctatggactt catgtattct tcataggact 360
 ttgacaaatc c 371

<210> 22971
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22971

tcttagtttc agatgatgca gttgagtttg tagctactct catgcactcc tctaattgact 60
 atagcatcat ttatggcgct aaactgctgg gagttggaag ccatcttcac aattaaattt 120
 ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcacc tatcatactt 180
 ctctccatat tactgagtcc ttcataaaaa tattggagaa gcaactgctc tgaaatctga 240
 tggtgagggc aactggcaca tagttnttta aatctctccc agtattcata caggctctct 300
 ccaactgagtt gtctaatacc tgagatatcc ttctgatgg ttgtggctct ggaagcaggg 360
 acattttttt ctaagaatac tctcttcaag tcatccaac tcgtgatgga cctt 414

<210> 22972
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22972

aaccaaagtt tattgagaag ctgtcattgt ttgtacatta accactgtac ttttaaccat 60
 tgctttaaac acaaattctg cccatctggc atgaggcatg ctggatgata tccaatatat 120
 tactcttgtt ttgttttttt gtctgtgtgt gcgcgcgcac tttcaatggt tattttattg 180
 tttgattnta aagcatcatt catgtggaac ggtggaaccc ttatgaggag gcanagcatg 240
 aatttgcggc gagggacaaa aagcatgaga tacggttaga agtgagaaaag tgaccgctga 300
 aatnttttgt ggcataataa tttaaaccatc 330

<210> 22973
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 22973

tgtttcaagt tttttttaca aattatttgc gggtttctat taaaatatat aataaataaa 60
 aataatttta ttacatttta aattgatttt ttaatataaa atttgacata aatgaacaaa 120
 agtaacgaat attcataact aaatgatttt tttattattt ttgaatgaat ctttattaag 180
 aactaaaggc atttgggaaa aaacaaatat aggcaaagtc ggctaataag gcattcgaaa 240
 taaaagctgg aaccacataa aaatatgaag ataaacttgc attatcagac ctgccttagc 300
 taaagcatca ataacttgat ttgcctcacg ccacgtagga caccaaacag tctgaccctt 360
 ctgctggtgg acattatggt gcatcttaaa gtgaagttta atttactggt actagaaaaa 420
 taataaatat ata 433

<210> 22974
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22974

ggatggggac aatgtggcat gccccattgt ttcagaatac agcataggcc taaggtcttc 60
 tcattcaaat ccttaactct aagaaaaaca gcataaaaac aaacaaaaac tgccccacaa 120
 atacaagcat attcccacaa tttggagcac caaaagatga agaaaatata ccaatgggaa 180
 gctgaaaaa tcaaggattg aatacttact tggtggagtg aactaaagcg tgaaaaggga 240
 agcanaaact caacaatgga agcttggggg ctgctattct cttagttccc gtgagc 296

<210> 22975
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22975

ntggtacctg agcatgacgg tggaggaggc gtgagaaaga ggaattaaga gaaaggagga 60
 aagaggaaaa gaagaagaaa aaagacaagc ggagagttgc cgcagctggg aatcgctcc 120
 agtggtgact aatggcgacg aaggaagggt ggtgactgct gaagggattt ggtgatgatg 180
 gtctagcata agattgtgca tcctagattg atctaagggt tgaaacttat ggtgcataat 240
 acaccactta aaatggtggt ccatggcctt caatttaatg tgtgaatccc attaattcac 300
 tccaactaaa aaaaaaggag aacacatggt gcttcctca acaaacatt ggttgaacat 360
 atctatgcaa aaaatggtgt ctaagagaat agataggtag atctcagcaa aaaccagcat 420
 ttgaaagaa 429

<210> 22976
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22976

ctgtcatcat gccgagactc aggaaggcca ataggtttag ctttctcaat gtattctgaa 60
 caaaattcaa tggcttcttc tgcaatgtac ctctcaaca tagatgttgc tggatgatat 120
 agattctttg tatacccttt taagatcttc atgtatcgct caaccgggta taccctccat 180
 agataagcag gaccataaca tttgatttct ctgaccagat gcacaatcaa gtgaatcatg 240
 atgtcaaaga aagcaagggg aaaatacatc tccaactggc acagtataat tgcggcctca 300

ttntccagct catcaaactt gacaggatca atgactntgc tacatatagc atggaagaaa 360

<210> 22977
<211> 430
<212> DNA
<213> Glycine max

<400> 22977

acactatcga ctactgctgc ttgactatgc gagtcgcagt tatccttaat ttcacttttag 60
gaatctagac aattcaatta cacacatgac atatcctata gcagaaacgt ccgattgaaa 120
tttcaactgta ttatactata aggtatatat ttgattatta tataatcatt tacctctttt 180
tttgattacc aacgcgaatg cggcacgacc gatcgggcat aattcatttc aaccatcatt 240
aacggatgat acaattcaaa cgatcgggtg aaatccactt tatttttaca ttactcgaca 300
aatgacttaa ctaattggct tacgcacgtc atatgggggt ctttctagta attgacagcg 360
agaataaaaa tccttgattc cacatgtcga ccaccacagg ttcttacatt gtattaaaca 420
gcttgacttg 430

<210> 22978
<211> 254
<212> DNA
<213> Glycine max

<400> 22978

tgctccacct caaagatccg tccccgcatg aactacccca actgaacata gtccgtcata 60
ccctagcctt acccacaccc gtaaaagaat atgttccctt tgcggaagat aatggaaaga 120
ttgacgcgct tgaacagagg ttgacagcag tcgagggcct tggctattac ccattctcgg 180
atntagcaca tttatgtctc gtgccaaca tcgtcttccc tcccagggtc atagtaccgg 240
actttgataa gtac 254

<210> 22979
<211> 419
<212> DNA
<213> Glycine max

<400> 22979

tggagaggat gctccacgga ggagtttaag aggtttacga cgagagaggg gggagcacga 60

gattgaatga agaaaaacgg agagaagccg aactttgtgc tgtgtctcac aagactctca 120
 ttcatcaaag gtacaagtgt tacacatgct tctatttata gactacgtat cttccttgag 180
 aagctttctt gacaaaactt tattgagaag cttctttgag aaaacttctt tgagaagcta 240
 gagcttagct acacacaccc ctctaataac taagctcacc tccttgagaa gctttcttga 300
 gaagattcct aaagaagcta gagcttaagt acacacaccc cctataatag ctaagctcac 360
 tctcatgcca aaattcatga aaatataaga aagaagcttc tattacaaga ctactctaa 419

<210> 22980
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22980

acaacaatga tccgatactt gtccatgtta ctgtttatca tcatttttcg tcattttata 60
 atatttatga tatcaccac aactagatct catgagcctt accatattct aggtggtgtg 120
 tatactctcaa atcgaanagt ttatcgattc tttttgtgtt gagttggtat tgtacaaaaa 180
 actatattat cgggtgttgt tctatcaaga tagcatctag tgctagtgtt ggtttaagaa 240
 atttatgtga gaaacttgta gaggctatac gaatacctat atctttaatt aatcactgaa 300
 aaaatctcac tactctatcg agaaaactag nataaatgga atataatata aggggttgaa 360
 tatgtgtaac aanagtaaat ttttctc 387

<210> 22981
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22981

tttagctaat tntatcgaac atatcttata taagctaata actaaaaaag ttacaagcta 60
 ctactagtat gtttggtaca caagcttatt ttaataactt gtttttcata agctacttta 120
 aataacttat tttcattaac tgctttgaaa taacttatga aaaataagtt ataagctact 180
 ggtttttttc ttctcaattt tatctatttt atttgaaatt ttattttatc atttcattca 240
 actaaaaatc cctcatcatc ttttattttc tgtctggaaa aatgctctta tcttttatta 300

gtttgttgaa tgtcaaacta tttatgtcaa taaactatta cattgcttat tgtaatttat 360
tattaaaata ttttgggtact aaacaa 386

<210> 22982
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22982

gctaataat tttttaatca agtttgtgaa tcacatgtat gtgaacactc ttagttcaac 60
gatttttttt tttttttttg ttttaacgttt gtgttgtact taaatgtgaa acacacctat 120
aaggacgaag agactagtaa atataggaac aatctagagg tatgaacttg actttgggag 180
cattaatggg tgagttttga agcattttta gatggaatag ttcacatgtc ttaaggcaca 240
caaactctaaa ttaagagaaa atattgattg cacgttatat tttcatttct tggcagngcc 300
gtgactgaac ctc 313

<210> 22983
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22983

tctgtcttac agtttaaaca aatataatat ttcgacttat gaaaagaaca aggtttgccg 60
aaaaaaagtg aaagatctta gtttataata taacctanac tggatactgc atgagaattt 120
ttagaacatc ttaccaaaca tgattgcaca cttaaacaga gtaatgaaat aatcatgtca 180
ttttggaccc ctttccttca aagggttagag attaatagaa tttgcatatc aaatgataaa 240
taaatagatg tatgcaagcc agatgacata agtcgctgat tctgatttct gagcccataa 300
ggaaaatgat gacagaagag tgatgggttt ttacaacac aactcccttt tgtggataca 360
atctttgtac agatatgttg gtcaattgat cattagacat tgcatttgca ttaaat 416

<210> 22984
<211> 254
<212> DNA
<213> Glycine max

<400> 22984

cgcagaacca ccaccaccac cgccaccaca accacaacca ctctttctgg tgtgaaaaaa 60

cgccactctc ttttttccga gatcgggtgca gcaacactta ctagctccac caccactcga 120

acctgaagaa agcttgagc accgaagctg agccagggct ccgggcctga ggtacttggt 180

cttcccggag ctccgaacct taacctatca accttgctct ttcggcgaca ctttccccat 240

tattatttct tctc 254

<210> 22985

<211> 405

<212> DNA

<213> Glycine max

<400> 22985

cttattatag acatagcaat aaaaatatat ttactattag aatttataaa agaattttta 60

ggtcttacta gtaagcatgc tcagtgcaaa tgactaattg gttgaaattg acaaacact 120

catctaccaa tttattgcga gacactgtaa taacaaaagt aggtataata atcattaatc 180

caatcgacat catcttaaata gcaccatata aagcgctctt catcagtatc aaaaaggaaa 240

ggaagaaaga cccatctcat taatagtga gttgggtcatg gtcaagaaca ccgtagcat 300

tagaaaaaga taaagacaag gccaaataaa tatcaatcat ttcatacgca tgggtccatta 360

ttattaaaac gtacaactcg gataagtcca ggggttcacg agtct 405

<210> 22986

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22986

aattttaaat gacagtgggtg gaattacgtg agttatgttt aagtaagttg tatctcattt 60

atatgactca ctccctgtgt gctatttggtg tttggatcct atgatgatct cgaactttgt 120

gttcggggga gcagatgact aggtgaattg ctttaaagaa cttatgctg aaggacgtcg 180

ggacacaata ctctgatagg atgtgacatt ggggcataag tttctatatt attatttatt 240

ccttatatta ttagtacata tacgtatggn gtagaggggtg tcacaacaag cacaagctat 300

agcaacaaaa agttcagctt ctattgcttg acaagtaact attgggtgct tcttagataa 360

ccatganatg acaccgggtt ccaacataaa gacataacta gaagtactc

409

<210> 22987
<211> 413
<212> DNA
<213> Glycine max

<400> 22987

ttagcgaatt actattgtta ttgaaaaata tgcttcttgt agataacatg ctaccgaaga 60
atcattatga ggcaaagaag atattatgtc ctattggaat ggaataccaa aagatacatg 120
cttgccataa cgattgtatt ttgtataggc atgagtatgc tgaattacgc aattgcccta 180
catgtggggg gtcattgctac aaagtcaatt ccaacgattg cagtgaacat gctagctcat 240
acaaagatcg tccatccaaa gtgtgttggg atcttccagt aataccaagg ttttaagcgat 300
tgtttgctaa tgcagaagac gcaaaaaacc taacatggca tgctgatggc aggatcaaca 360
atggattgct ctgtcatcct gttgattctc ctcaatggaa aataatagat cag 413

<210> 22988
<211> 453
<212> DNA
<213> Glycine max

<400> 22988

gtgcttaatt gttaaactta tcaaaccata gataccggtg attactaaaa ataccattt 60
tctctcccc tttggcaacg ccaagaagcc aaagtgtgag aaatggaata tattagtggc 120
gcgtcaaaga ctaccgaaca ttgatcaaga atcaaccgat gaccaccttt ttatctaaat 180
ccctacatct aaagacaagt ttctttaaaa aaagaagttc ctttggaaag gtttgggaaa 240
tagtcacagg catttaattc tccaatttaa acacatccct tttaaaacag tccctaaagg 300
agcatagcct atatgttggc aacacgtcgg atttgataat acggctggaa gtacgtctga 360
cacaagggtt ggaçaaaaat gttacaatgg gttcctaaat tggcacaacc ggaaagttct 420
aggggaaaac tatttgttgg gcaacaagat acc 453

<210> 22989
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22989

tgatcaaaac aattatctgt tcattccaat cctggagctg ctgatgaatc ctggatagga 60
tgctctagct ccgtagctgg tgtagatggc tgggtctcct caagaacagg tgcagaggat 120
ggctcacgta tctgatctgt ggaggtaccc tcctcctgag ccatgtgtgc atctgtgtca 180
aaataaaaag gctcaggagg ggtgagtgtt tgaaccggc aagtgcaccg gatcacgcaa 240
tttgataaaa acgataagaa ctgagtatcg aactctcggg gaacttgtgt tacttggtaa 300
agctatatcc aatgaataag tgtctagtat gaaaagagat gtgttgacta tgaatagga 360
tgtaaattaa ctattaagag ganaatcaca tgagtaatga tgcgtgaaga 410

<210> 22990
<211> 269
<212> DNA
<213> Glycine max

<400> 22990
atcatgcgcc tattgccacc gtcataaata taggtatattt gagaatacat cttaaagacc 60
aatgggtaac gatggctcta atgggcgggt ttgcttgaat aaataataat gagatcattg 120
ctttagtaaa tgatgcggaa aaggataggg acattgatcc acaagacgca cagcaaactc 180
ttgaatagca aaagcttatt tgaataggcg gaaggcaaga gacaaacaat tgaagcaatc 240
tagctcttga cgagctagga cacgataga 269

<210> 22991
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22991

tctcaaggag gtgagcttag ttattagagg gtgtgtgtag ctaagctcta gcttctcaag 60
gaagtttttc tcaaagaagc ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttggtgt aactttgatg aatgaaagtc 180
ttatgagata cacttcaaag ttccacttct ctccctcttt tattccttca atttcgtgct 240
cccccttct ctctttcttt tcctccatta aagcatcctc ttaaagcttc ttatccaagg 300

caattcttgg tggatgaagct ccttcttcct tggcttattc cctagtggat ggtgtctccc 360
ctctcctatt ctcttttgcc ttccgctgca tctccatggt gaanaatcac cattga 416

<210> 22992
<211> 408
<212> DNA
<213> Glycine max

<400> 22992

agcttgcagt ttgagatttc ctgttctgtc tgactacctt ccaaagtta tcaaccataa 60
attgtaagaa atgcttatca tggaattgtg ccaccttggt atactccact gctaaaaaaaa 120
tttaccacat aaagagtagt agcatgctgc aaccacaaga aaacttattc aaatgatttt 180
aaatgtacag gttcttaact ttcaaagtaa ataatactta attttgtcag aatttttttaa 240
caacgtaaaa tggaagaatt tctcctatca aggaatatct aatgccaaaa agcgaataac 300
atgttcagaa gtgaacaata acaaatgata aatagaaggc aagagagaat atcattttaca 360
cgtttcagaa ttttaattgtt cagcaacct tgtacaagta agcatgtg 408

<210> 22993
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22993

taacttctcaa attccncttc atcccaggct ctntagtata agctttcctt cattanggac 60
aacaacctca gcaccagggt tgacaatatc tgtcaatggg atcatgagac tccttccgtc 120
caatgtgggtg agatccaacg ttntaccagt aaaggcctca agaaaggta tctcttggtt 180
gatcaccana tcattaccat cccttctata aagagcatgc ggcttctcat ctatcacaaa 240
aatgagatct gctgggatga caccaagctc acggntacct ttctctggaa aggtaatttt 300
tgttcctttc ttccagccag gttttatctc gatagtcaaa atctcctcca catccccaca 360
tttgctgaaa tggaattgca tgtgtcaaat 390

<210> 22994
<211> 409
<212> DNA

<213> Glycine max

<400> 22994

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atcacgatta tcgtctccct ttccatcatt gggggtacca cttgggccgc cagatccctc 120
caccttttag gcgtgttctt tgaaagatcc gtcccccttt ttgcaaagt tctatagttg 180
catcctatcc ggaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattag 240
gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa cagctacccc 300
agtaagactt tcttgaagg aatgtattag caattcctca tcttttgcgt attcccccat 360
cttctgacaa tacatcttta gatggttctt gggacaagta gtccccctg 409

<210> 22995

<211> 326

<212> DNA

<213> Glycine max

<400> 22995

tcctctatca taacctttct atgagctcgc gactgggcc agtcttgcc tgcgacttg 60
agttcattat tgctaccca tagagctccg caaaattagt tgcggccata ctcttgcttg 120
agagccctct tggctctctg gtcaagggtc cttgcgggaa ttgcaatctc atcccgtaac 180
ccggcacact ccttccgaac gtgtgtagca gccaaactga acttctcttg gcgagtgttg 240
cctttcctta ctcggttttg agagcttga cttcttcgac ctcttcgggt gctgcgaaaa 300
tctcttcgct ggcgacctt aacttg 326

<210> 22996

<211> 347

<212> DNA

<213> Glycine max

<400> 22996

agcttgctgt taattgttac gacaaaaatt cggagctaag attgccgaat aaattccgta 60
gtatatcgag acgctcgaaa tgccaagtaa cctctcaccg aatgaaacg acaataactt 120
tgtactcgaa tgcccgaatg aatcccgtaa tatatcgaga cgctcgtaac tgataacaga 180
agctctgagc aaagtcaaaa gatgattact ttatactcgt acgtgcgatt gtttctgtga 240

gtatatcgag accctcgtga ttgaaaccag aagcccgtag caaactcaag cggcaataaa 300
 ttgttactcg gatgcccgaa tgaatgccat aaaatgtcga ggcgatc 347

<210> 22997
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 22997

agcttttgtt caaagaagaa aaagaagttc aaagagattc aagacttgta aaggattata 60
 taagattgat tggaaaagtg tcttgaaaag aaaatcaaag ccttgctttt atagactctt 120
 catgtctggc caagaggacc atttagaaga gttataactt ttagaaaaac ttaaaaccaa 180
 tttgaaaaag tcaaaaacca tttgaagagt tacatctttt gatttattca gaaacaatca 240
 ctggtaatcg attatcaaat cagtgtaatc aattacacaa ggcttttatg tgaaggatg 300
 tgactcttca catttgaatt tgaatttcaa cgttcaaagg cactggtaat caattaccaa 360
 aacattgtaa tcgattacag ctttttgaaa ttaattggaa cgttgtaa 408

<210> 22998
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22998

agcttttagtt tcctatattn tgaagcaaga tttgacattc ctataatgta ttcactgtca 60
 tttcctctgc cttgatactt catggaaatc aagttctaaa ggagagtact tgtttccgcc 120
 ttatcgcttt ttgcatagcg cttttcaatt tcatcaagga attctttggc actagttata 180
 tcatctgaaa cagtaccctt aacgacctca ggaatgccac gcttaatgat cataagactc 240
 atgcgatttg agtgatecca cttctcatga agtttctctt attcagaggt acttgaatcc 300
 gtaggagaag gnggtttctc aatccttaat gcaagggtcta gatccatgca gccaaagaaa 360
 atntacatgt tctcttttctg gtccttaaaa tntgcacat taagaactgg 410

<210> 22999
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 22999

gagttggagt gcacattgta ttatttattg tggagagcca tgaaagaagc aaagcaacta 60
gtggaaagga atgagaggaa acaatatgtc aaagtatttg attatgcaca tgaattattg 120
aggagcaatc ctggatcaac agttaagatc aacatagtgc caagcccaga aggtccacca 180
caatttcaca ggttatatat ttgtcttgct ggctgtaaga agggggttgt tgctggatgt 240
agaccattca taggtctaga tggatgtttc ctagagagtgc catatggagg aaacttgctc 300
tctgctgttg ggcttgatgg caataaccac atctttgtta ttgcttatng tgntgcggac 360
attgagaaca aagacaattg gaaatgagtt ttaactgtgt tgcataaaga tcttggggat 420
t 421

<210> 23000
<211> 332
<212> DNA
<213> Glycine max

<400> 23000
tagctttcag caaattcaaa cgacaataac ttttttactc agatgtttga ttgagtcccg 60
taatatatcg agacgatcaa aattgaattt tgaggttctg agctaattca aacgataata 120
agtttttact aagacgtttg attgagtccc gtaatataatc tagacgctcg aaattcaatt 180
ctgaacctca gagcaaattg aaacgagaat aaatttttac tcggatgtct gattgagtcc 240
cgtaatatat cgagacgctg taaattgaat gttgaagctc tgaccaaatt caaacgacga 300
taactttgta ctctgatgtc tgattgagtc ct 332

<210> 23001
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23001

ncaacattca attgccaagg tctcgatata ttacgggtct ctatcanaca ttcaagtaaa 60
cagttattgg ccgttgaatt tgctcaaagc ttcaacatct catttttgac ggtgctcgat 120
agaattacag gactcaatct ggacatgccg agacaataat gtaattgtcg tgagaatttg 180

ctgagagcat tgactttcaa tttcgagcgt gtcgatatat taggagactc gatcagacat 240
 tcagtaaaaa gtattgtcgt ttgaatatgc tcagaagctt ccggattcaa tatcgagcgt 300
 ctcgatatat tacgggactc aatcatacat ccgactagaa agtgattgtc ggttaaa 357

<210> 23002
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 23002

tcaagggatga aacttcctgc ttttattggt gaccacagag tggtagctgg agatatgtcg 60
 cggtagctcag gagaccttgg ggacgtcaag tgggggtgcta ttgccccaaa ccaagcttga 120
 ccaatcccgga cccaacccgg gcatagtcgg tcagtggaga cctgtgatgt acctaagcaa 180
 gcgagctgct gccaggcaac agatgaaacg attacgagac tcacaagcat ggacgcttga 240
 ggtggctggc cagctgtgaa acttgattga tatgtgagat atgggtctctg gtaatcgatt 300
 accaaggggtg ggtaatcaat tacaaggctt acaatgaaga caggaggcta agatgggtctc 360
 tggtaatcg 369

<210> 23003
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 23003

gactaaaaaa cattattgaa caacataatt aaaacaaaaa cttaatcctc agatccctct 60
 tgtaagacta agatgcgatc ctgcttcaat caagtgctaa ggcaacagtc attttccaat 120
 gctaaaggca cctagctatg cacacagatg gatgatcaga ccaaaagcat acaaaaatta 180
 agcagtggag gaagcattga acacagagaa cataatcaat aggatat 227

<210> 23004
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23004

tttagcttgt aggattatgg ggtacccgtc acatgtggta ctaggtggcg gtcgggcaat 60
 ggtgcaagtc gactatccat attcacaaat cacacataaa tccaccatcc ccagttgccc 120
 accttcaact gagctcacat actcccacgt agcccttata ctcgttcctc tcaacaccgg 180
 gtccccatca atccctccaa gttccataa catctaagca atacaacatc caaacatcat 240
 gaactatcaa aaccaagaaa acagagcaaa ggcagaaaac tctgccc aaa aacacaaacc 300
 aacaccgccg ctttccttac tcaaataccc cagtaacatt ctcttttttc caattcgtaa 360
 accgttggat cgactcanaa attttaatga aggtcccaag tacataaat 409

<210> 23005
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23005

ctatgaatat tntacactaa tgtcatgggg acataaaata aatgtctcct caaattaaca 60
 taaaaataag ttaataattc aaagcactaa atcctacaaa aatagtttca aacaaatata 120
 tataaacaaa aaagggatat gattattgca ttacgtagt ctagctaatt tttttgtct 180
 taaccctctg gttcatcagg agaaagagac cataactaat ccaaagttcg gtcaagagat 240
 aagtaaagtc tgacaaagaa ttgttttcat caatgatcga acttgaatag tacccaaaca 300
 atctaaccct aacttcaaca tattaacat ttgtgctcaa tcacttggtt atgtagtcta 360
 gttaatttgt gtgtgctntt gattntagat tgacatggta agataatgat ccaagac 417

<210> 23006
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 23006

agcttcaccg tatgacgccg atcgaaacatt tcctaaccga cgtcatgcaa atttcgttca 60
 gggattgaat tgaaaactcg ttaggcgaca tctgtcgtga agtagcgacc gatatttttc 120
 agccgacatt gcacaattct ttttagaaaa gtcgctggt cgataatggt ctttttacgg 180
 cagagtaagt tttcttgttt tgggtgttga taaaaaagtt acaatgtact tcggctaggt 240
 ttttcgtgcg agttcaaccg acattttgtt tcggccagga aaacattagc ccacctctgc 300

aaaaaaaata ttgctaacc gtcttcatgc atatttcatt caacgattga atagaaaact 360
caatagccga caacggtcgt gaaatagtcc cgactgata 399

<210> 23007
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23007

tctttgtag acctcgatcg gtcattcttc caggccgtag tcgaccgtca ttnttttcga 60
tccatttcgg tgaataatat ttttttgccg agatgggcaa aatgccagtt tcggccgaat 120
aaatgggaaa atgccagttt cggccgaaac gataagtcgg ttgggctcgc acataaaaac 180
ctagccgacc tacattttaa attttttatg caacaccaaa acaagaaaac ttctgtgcc 240
gtaaaanaaa aacactacat gacagcgagc gttttgaaaa acaaaattgc gcaacgtcgg 300
ctgagaaata tcagtcggag ctgtttcacg accgatgtcg gctattgagt tttcaattca 360
atccgtgaac gatatttgca tgatgtcggg taggaaatgt tcgatcggca tcctctgtg 420
aagtttc 427

<210> 23008
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23008

tcaagcttca tgatgatgaa tcaagattga ttcaaggagt ttgatgata acaaagatga 60
tgacaaaaag ctcaaaagtc aatatcactt catgataaca aagatgatga caaaaagccc 120
aagagaatga gttcaagaat gagtcaagaa cacttcaaga atcaagtttc aagaatcaag 180
aatagacaag ttgaagattc aagaatcaag aaaatactca atcaagataa gtactaaaaa 240
gtttttcana actttgaata gcacatgaat ttttgacaaa accttttacc aaagagtttt 300
tactctctgg taatcgatta ccagtttatt gtaatcgatt accagtagca aaattgtttt 360
caaaaagctt tcaactgaat ttacaacatt gtaattaatt tcaaaatggt 410

<210> 23009
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 23009

tattaacaat tccctccga gtgtctgcct ttatctatga ttgaacttca acaatttacc 60
 ctcatggct aagattgaac aacaattcaa taacaagtta tatgggtgat gttaaaattt 120
 attacatctc gggtaagtgg taaatttaca cttacgcgat ttacttttat cattttactg 180
 ccaagtaccc tttcaattga atacataaca tattgcttga gtcttttctc ttgagagctc 240
 ccacccctat accggaagct tccccgagcc actttggtga tcgcagagac tccttttatt 300
 gagcttatgc ttccccctag ggtctttaac gagaggggga atggacctcc gttggcaaca 360
 atttggctcc tgcgggccag gcagaaggcg ttcatgtcga caccaacttg agtcatgatt 420
 cctataaaat aaca 434

<210> 23010
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23010

agctttcaaa atagacaacc aacattccat tcatttcccc cttagattt tggatgttga 60
 ttatcaaggc agttataatg ttattcatga tttcacgtag ataaagtcta gcaaatctag 120
 aaacggacat aatgaattga agtcaataat tcactttggt atgaattata taaaaggaaa 180
 aggtaaaaag ccacagctgc atgcaccag taacacggat atatgctgga aatgagaaat 240
 ggtaactgta gtttgttttt gtataacttc tgtatgaaag aaaagagaga tgagaagaaa 300
 agaaagagaa gtttgtgatg agcgatgcaa taaagataaa aaaaaggata anaatgctat 360
 anagagtatt gtatgaataa tataaatcgt 390

<210> 23011
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23011

tgtaaagag ctntatatac cataagttct taattattta agggacattn ggataaatac 60
 ttttaattaag cacttattta taagttttta tcaaaattta agttaataat tgtcccccta 120
 actattaaaa taagttataa aaaatcttat aaaaataaca taaataactt ttattagctc 180
 gaataaacct tatttatcaa aatagcttac cttatcagta taagtattaa ttacctctnt 240
 cccatatttt ttaatatatta aggttattac acataaacta aanaatgata tattaaatac 300
 atcgaatgtt cataacttgta ctaatagtaa taatgatatt aattagactc taaaattcta 360
 aagtatcaat tattttgaag agaagatgaa aagttagaat gtctaaaaat aca 413

<210> 23012
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23012

tttgcatgta gcttgccgcc cagctcgccc aggcgagcaa ggatgcttcc tccagaagca 60
 acagccttgt ggaggaatct tctggagggc ccaagtgggc ctgggttgcta tttacagccc 120
 cttgtttact aaatgcaccc ccctttctat tttttcgtaa ttctttatct gtaacattac 180
 gaaactttac gaatttcgta acgataccta tcttccttcc gcaagggttac gaatccttac 240
 tgaatatgta tttactcttt tttagctttc gaagaagtta cggaaactca ctgactgcgc 300
 aaaaacaccg ttgttcgatt tccgccacat tacgataatt cacgaatcat gcangcctgc 360
 ttcctttgat tgctgagacg tctcgggact tca 393

<210> 23013
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23013

tggttcgagg tacttaccgc tngaattgcg agtaactttg aagaacgaat gaagaacgcc 60
 gaagaactgc tcaaaccctt gctagattcc tcacggaaaa cgttacggaa acgtttcgga 120
 agcgctcgg cttagatttt cttcacagaa ataatttttc cgagcatatt caaagagaga 180
 gaagtgccta aggggctgga ccccttcctt cttcctttcc tcccctattt atagcaaaat 240

aggggaggtg gttgccgccc agctcgccca cgcgagcaag gttgcttctt ccagaagcag 300
ccgccttctg gaggaatctt ctggagggcc ctaatgggcc t 341

<210> 23014
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23014

agctttatga tgatgttcca agcaattttg ataatgccaa aagcccaagt gattgattca 60
agacttcaag atcaagcatc aagaatccaa tccaagattc aagattcaag agaagaaatc 120
aagaagcaac aagtcaagac ttcatataga ataagtatta aaagaatddd tcaaaaaccg 180
aatagcacia ttttgtttta caaaagaatt ttctcaaatt ttctaagtta ccagagtgat 240
tactctctgg taattgatta ctagtacta gtttggtttt caaaatgttt tcaaatgatt 300
tgtaacgttc caaaatgatt ntcaaatagt gtaatcgatt acattatatt agtaatcgat 360
tacaagtga tctgaacgtt ggaattcaaa tccaattgtg aagagtcaca 410

<210> 23015
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23015

ttgatgggca aacttggtgg atggacgnaa cacaattttg ctgcgtaga gagagagaga 60
gaatacgctt ctgaatttct actttggctg agtgaggaga gataaaaact ctttggttat 120
aataaaaggg ttttcccttt ttgcattatt ctattcaagc tctgccacat gtccctattd 180
gattggagca aaagggccca ctttctcttt ttgactgtga cccatacctc agcacaaaag 240
tgagaaagat ctgacctttg aaacgctaca atactgcctc agtttgctg ccagttctct 300
gattccagtt tctcgctgt ctctgcgctc gtcggtgcc cgtatccaaa gcatgcaata 360
tatatatcaa aacgc 375

<210> 23016
<211> 411

<212> DNA
 <213> Glycine max
 <400> 23016
 agcttgcaact caagattctc cttgcctggc acttcaaaac cttctgggtg ggtcatatag 60
 atgtcttcct ctaaattccc atgcaagaat gcagttataa catttaactg ctcaaagtga 120
 agattctcta cagctgctat actcagaata actctgatgg tagtcatctt tacaactgga 180
 gagaagatct ttgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
 tccttgatc ttcttctacc gtcagattct tcctttagcc tatagacca cctattctgt 300
 aacgctttct ttcttctgga aaatttagtt aaagaccacg ttttattctt ctgaagggat 360
 gtcattctcat ctttcatcgc tagctccac ttaatagtgt cattccctg t 411

<210> 23017
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 23017
 actcagcttg taaagaactt aagataaatc aagaacaagc ttgttttcac atcggtcacg 60
 tgtatgatat ccactcgaca aagttgaagt aaagaaacct tcaatcctat aacgcaacgt 120
 ggcggaacaa agtgggcagt taacttgaat gaccattatt gtcaatgcgg aaggaatttt 180
 gcgcttcact atccatgttc acacattatt gcagcttggtg gttatgtgag cataaactac 240
 taccaatata ttggtggatc gagtgggctc agaataatta aaaagggggg ttgaattaat 300
 tattcctaaa catttaccaa ttaaaaaatt actcttttaa agctttttac taaattttaa 360
 gagaatgagg agtagaagag aatcttaaca gaaagtaaaa gcggaaatta aat 413

<210> 23018
 <211> 307
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23018
 acaagcaaac gacacacgag aaagancaac atcagctgac gcaccaacta caacagcaac 60
 tcaaagaaaa cagttgatca gtttcttaac caatcacatg aaaaccgaaa acaccattga 120

tgcagtagcc acgaatgtaa caggtatctg taagaatgat gatgttaata atgattacca 180
 cacttggatc attgacactg gggctacttc tcacatccgt tgcctcacag agctgtttaa 240
 ttcatatact accattctga actctcatgt tcttctgctt agtaccacga aagctcaagt 300
 agaagga 307

<210> 23019
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23019

tgccattatn ccttagacnt nctaagnacn tnacgaaact ctgcngatc ctcagaagaa 60
 tgatgatgac tctcctccct attccctttt gcaggaacga ggagaacggt gatagcatta 120
 acagccttgg ccatacatcg gaactataat gactttgcct gcttttcaca agtgctacca 180
 aatgatggct atcttgtaag atgttagaag taggatcaga gtgcattccg ctctcaatg 240
 agacaaagct cctcaactc tgggtcctcc ctagagattg tagaacacag tgaagatgag 300
 agtcccact aactacaaca gtgctgggag gattcttaca aactaacgaa ctagactgaa 360
 ctacattgag agtgatgtta tctgtactcg ctctcttttt acttaagctg gtccttagac 420
 cacagtgcac gtatatgctg gttactgttc ttttgccctt acatccatgt caatcn 476

<210> 23020
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23020

agcttanagt angtcnaatn ctaaaangac gaaattggaa ttcttaaata tgaagactat 60
 gtcaagaaga tgaagtaagt ctcaaaatct aaatttagtt ttttttaata gaaaatgaca 120
 aacgatttac tgcataagga ccattcatat atcttagcat tatatgtata caaagttact 180
 ttctctaaca taatttcaat agtaattcaa atgatggcat tacatttgaa acataaatct 240
 ctattaaaac aaaaataagg ttcaaataata ttaatgatcc ctttaattga tttttttata 300
 attatctaaa gtttttaaat gattccctca catgttagta ctttaaacaa cctattgttt 360

gtaattttcg ggataatttt gattgttaaa cttttttat

399

<210> 23021
<211> 308
<212> DNA
<213> Glycine max

<400> 23021

aatcctctct agcacattaa tgtccaaaga tctccatatt atgtagcatt cttaggaata 60
tatctcttta tgattaatac tagaaagtaa gacgtgacga taaaaaatcc tactctgggt 120
atatgcgact aaaagtggat tctaattgcc atcgagactt tagaaggaga tcaacacaca 180
gttcaaccga ctcacgacac aatttttggt tcagtgggtg atacgcaaca cagactactt 240
tgttctatta ggcgttcgtt atgcttaagt attaaataga acattgcaca cgtcaaaaac 300
tctactat 308

<210> 23022
<211> 248
<212> DNA
<213> Glycine max

<400> 23022

gctcggaccc gcgatcctct tagtcacctg cggcatgtaa gctactggag gccatgcccc 60
cacaggcaga catcaggaaa gtcccataac aagagacgta acaagctatc cgaaccatgg 120
cccgacacca ctactcatgg ctgaaatgag tgcattgcgt ctacatcata atcatattga 180
agacgagctg atatacgact catgcacaac ccgacacgca caaatgagcg tgacacatca 240
atctactc 248

<210> 23023
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23023

taagcttgnc cttcnctaaa gcanagggga ttattatatt tctgttctcg caacaccaaa 60
tgtctccctt tgtacacttt gtatatccac ttggaaccaa catacttgta cttttatgat 120
gtcatctccc ccatagaact gatattgaca acaacaaaag gtacaaatct cacatttgag 180

<210> 23026
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23026

agcttggatt ttcttttagt aaggaatcta tccttcttaa gatagagcca aacccaatcc 60
 cccctattaa aaactagctc ctttcttcct ctattgccct tagttgaata cacctttgtt 120
 tggttctcta tgtgggtctt aaccctctca tgcaactttt ttacaaactc tgacctagat 180
 tccccctctt catgtataaa aagaagtgtc aagtgggagg ggaatgaggt ctaggggtgt 240
 taggggattg aacctataga caacctcaaa aggggattac ttagttgttc tatgaacccc 300
 cctgttgtn gcaaattcta catgaggaag atactcatcc caagacttat ggttgccttt 360
 cagaagagcc cttaaaaggg tggataaaga cctattcact acctctg 407

<210> 23027
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 23027

cttggagaga acacaaagtg gtaggcctat ataagtctag tttagtata ggggaaagga 60
 gtaaacgtcc aatgagtttg ataaattttg cgaagaagaa ggtgtcaaca ggcagttgac 120
 tgctggctat atacctcaac aaaaagggtg attcgaaaat aagaatcaaa ccgttatgga 180
 gatgactagg tccatgcttt ttgagaaagg aatacaaaaa taattcttgt ccgaggctgt 240
 taatatagcc ttgtacctat tgaatagatg cccaacaaaa gtggtacgga atatgacacc 300
 atttgaagca tggagtggaa gtgttgatgg attggcaagt gcaccaattt gtaagaaatc 360
 gttggctaca cgaatcattg aggtggggag gactataaga catgactgat gggatgga 418

<210> 23028
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 23028

tttagctgat catcgagttc atagaacatc agagagtctt actttgaaga tacacaggtc 60

acttgatcat tataaaagagg ctgatattgt ggaagcatgt tgaacggagt aacagagatg 120
ctaagccag tcttttatca catgtgatta tggtgaaaat tgtcgatatt gatgaacatg 180
ttacctgtga ccatagagag gaaatgcatg atccatcagt gggagatgga tgttatcccc 240
acgaaaaaga ggatatgaat agtatgacta ccaatcttat caaggatgtg atgagcactc 300
ttggaactag ctatgatgac aataaaactg gaaatgcaga atgtaacgta ctcatgtgaa 360
tgtacatggg actatgtatt tctttgagat gtcatgatat catg 404

<210> 23029
<211> 398
<212> DNA
<213> Glycine max

<400> 23029

agacgtcatc cttgaccagt gatccgctct tttaccttct ctctttcctc ccaactcatg 60
cccaatagac gcaccaccac ctgtggagac cttaacagca tccactccat ctccatctcc 120
tcccaaacca ccaccaacaa cagcaccac gttagctccg cctcccttgg ctgtttccca 180
ccatcccgaa ctcaaaatag tcgcacccat ggctctgcta ccgcttttac gctttcattc 240
gaccaaccgc cacatctagc ttagttgtct gttgctcca tcacttcgca ccgcccaccg 300
ttgatactgt cacggccatt gccacgaaat cccttacggc aatgacacca tctgtctcag 360
caacgctgcc atcaagcatc agattcatct gcgctcag 398

<210> 23030
<211> 408
<212> DNA
<213> Glycine max

<400> 23030

ttttcatgca agcttgtgcc cgaaacacta catcatccaa actgcagata ataactcaag 60
ttcttgaggc ttgtcattgc atgtataccg tacaaaacct gaatccaaaa tttccttctt 120
aggtagcaac tgctgagtat cactcacata agaactgctg ccatgagtct ttatctgcat 180
cctttttctt tatctgtttt tcttgatgag cttaaaagta tccatctaac caagaaccat 240
tgaaataata aacaatgggc agataaatta ataaattagg atccaatatg aacagcagtt 300
aacggatggg atgatattgg gctgatattc tctttggggg caatttgccg aggatgtaga 360

ggactaaagc tgaaggtagg acctcaacca gctgtatttt gaaaagtg

408

<210> 23031
<211> 332
<212> DNA
<213> Glycine max

<400> 23031

ggacctaaaa actcaagcta gcggtaaata ggaacgcaac atctccctgc atactataga 60
cagacaggga aatggaggct gcaaacttag taccgcaatt ctttacacca aattccacac 120
ttcgatatac cagccacttg ggaatgactt tgtaaagcaa gcaacgctta ggacaataaa 180
gagagtgact ctggtggcac catttggggc gtgctttgat tcaagaacca ttggcaagac 240
cgggtactgga cccaatgtgc cgacaattga tctgagtctc aaggggggag ttcaatggag 300
aatctatggt gccaatcaa tgggtcaagg t 332

<210> 23032
<211> 400
<212> DNA
<213> Glycine max

<400> 23032

agcttccaca accccaacta tagtcctagt aagctccgct gcctgtctct cggtataatg 60
cccacgctga ataatcctat cgaaaagctc tccacctgca catagttcca tcacaacgtg 120
gacagccatg gcatcctcat atgcaccctt gatggatata acattaggat gccagccaa 180
gtggtgcatt atctgaattt ctcttctcac atcctcgaca tcatcatcgg tgacgagctt 240
cctctttgca atagatttac aggcatactc ctgtcctgtt gccttctcca cacacaagaa 300
tgttgccccg aactgaccct gtccaagttt tctccaaga gtgaagaact ccttgaaatt 360
atctgtctct ctttgcaaca cagaatcaac acgaagccct 400

<210> 23033
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23033

acagcttact aaaacaggag cagacctcnn ctttatttta tttttataga tcagnagggtg 60

gagctcttca atactccact ataaccagac ctgaactaag ttttgctgta aacaaagtct 120
 ggcaattcat ggccaaccct cttgaatctc actggacagc agtgaaaaca attctcaggt 180
 atctcaaagg ctctttacac catggcctac ttctcaaagc tgccactcct cccattccca 240
 ttaaaggcct ttgtgatgca gactgggtgt ctgaccctga tgatcacaga tctacttcag 300
 gagctgctat ttattttggc cctaacttta tatcttgggt gtctaagaaa caacagattg 360
 ttgcaagatc aagtactgag gctgagtatc gaagcccagc acaagccttc t 411

<210> 23034
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23034

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 tgaggtggat ccaattgctc cgatcattca ttagcatatt catgttttgg tggcatactc 120
 accattgttt gtttcttttag ggaactcaca ataactaaga aagcgcagag gcacccctat 180
 aacacttgat ccagaaaaat ggataatgaa gagggagtgc aagaacagat gaaggccgac 240
 ctatcagcct taaaagatca aatggcttct atcacggagg ccatgctaaa gcttcagaaa 300
 actatagagg ataatgccat ggcgaccgcc tccaatacag ctagggaagc ggaaccggtg 360
 ctacagccag caataaactt gggccgagat agaaacacga cggtgttcgg tc 412

<210> 23035
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 23035

gaaaaaccct gatattacca tatecttaag gaattttgga gctttggaat tggtttggga 60
 ataagtgtgg ggggtttttg tttcattgga caacttgatt tgttggctat gcttcattgat 120
 gtattttggg ccatacttga tgtacattgt atattgggta aatgttggac atgctgaatg 180
 aaatgttggt tctcaaagga taaagagcaa aaaaaaatt cgaaaaatga aaaagaaaag 240
 caataaagtt gagtgaataa gatcttatat ggacaagaat gatagactct tgggtctact 300

ttcatgttaa ttttatctta ctcctttatt t

331

<210> 23036
<211> 407
<212> DNA
<213> Glycine max

<400> 23036

agcttgcaagt acttgctcta aagctcttct tctactggga cagtgggtgc ctgaactctc 60
attctccttc tccgagagta tcttgagctt gcttacgggc gtgcacattg cggatgttcc 120
ctagccatct gaagctatgt aacagaatac atgtagagag aagcttacat acatcttcgc 180
catgggaacc aactgaattc taagggtgagg ccctaaataa ttattctcca tctctctgat 240
ctgtggatga acaattatgc cagatgaatg atacttctac atcctataag acaatatact 300
ttgataggca tctggcacia actcgaaatg acgtatgttt gagcttaaca tacattatag 360
aatgcgacta tacgattagt gaggaccttg atactgatga tagagat 407

<210> 23037
<211> 227
<212> DNA
<213> Glycine max

<400> 23037

agcttctatg taggcttgat ctttgggctt caataagggtc cttcaatgct gatttttcag 60
ccatggagtt gcagcggaag ataaaggaga agaggtgagg ggagggcgcca tccactagag 120
aataagctat ggaaggagaa gcttcaccac taagagagtg ccttggataa gaagcttaga 180
gaggaagctt caatggagga ggagaatgag agggagggag gggggggg 227

<210> 23038
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23038

tcaacaccaa agccctgagc caaaccttca gccaaacttg tatgtttttt actcgcacac 60
aatcctaact cccaaaatgc atgaacatca accatgaagg cacacaactc atgtgatcac 120
cctcaacacc cacacattcc tagacaagac catccacgac atcaatgacc cacaaattgc 180

tgtaatcgat taccagcaac gaaactttgg aaattcaaatt tcaaaagtca taaccctctc 420
 aaatataact gtgtaatcg 439

<210> 23041
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23041

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 attcattgtc cttcgtcccc tccgacttat tatcgtgggt gattagctcg tgcaaactcct 120
 tacagcgtag atggatcatc atcattgggt tccaatatga ataacttttt gcggttagct 180
 cgaacatatac tacatcatga gtgacaactc cctcaatatt gaatcacaca ggatagtagc 240
 tccccctaaa ccagtcgagc tttgatacta ctttttaggan acaccagtac tatttcctt 300
 tctgtagttt caaaatagga acttagcata aaacaaaaat agaatagaat gtaaacgaat 360
 gacacactaa attttaacgt ggagaaccct ttccgtgtg 399

<210> 23042
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 23042

attcaagaga agttgatttc aagattctcg ataagacgtc aggaagaatc aagattctag 60
 agatgatgaa ttcaggattc gagagaagaa atcaggaggg aacaagtcga gacttcccaa 120
 ggataggttt gaaaaggat tttcaagaga ccaaacatag catagttgtg gtatacaaaa 180
 gagttttctc gaaattttct aaggtaccag agtatctact ctctgggac gatta 235

<210> 23043
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23043

agctttatatt ttaaaatttg gtagagcagt tcttcaaata aagtttggtta tattctttat 60

aaactctagc tgaaatTTTT gggaattcct tatttcactt tagattTTTA tttcacaagt 120
agagtaaaag tagtacgcag gtgattaatc agtgtaaca agtatgatat ttatagaatg 180
tgatttggag agaaagctaa gtatgggaaa agaggagtga atcttggtcg ccttgatga 240
acagttaagc ttaatgcac aagtcatgtg actccaaagt attgtgtcta tcatttttaa 300
aaataactag gttatgttga gaactaatat tagaggatcc tagttccttc actctgttnt 360
ttggcatatt gtctggtcaa ctgaagggat ttatatcacc t 401

<210> 23044
<211> 342
<212> DNA
<213> Glycine max

<400> 23044

tatcgagcaa gcctctccct ccaattaaca ttcgaagtct cttcttaggg tttctacgaa 60
tattttctcg tgattgtgaa ttttagatcc gcggaagact tgtttaattc tagaggTTTT 120
tgcgacattg cttggatggt taggttcac tgattttaag agtggtgctt agacttttag 180
aggataaaat atggaattat ggttgtagt tttaaagttc atgggtgaga ttttaatagt 240
tccatgattt ggtatgtgtg tgtgtgcata ttattctatt acgattTTTA atgcgggtat 300
aacttccttc ttttaagtga ttccatactt ttgggttatat tt 342

<210> 23045
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23045

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ctcccttcga ttttgtTTTA ctccgattct acctattgct agaaaaata tcagggtctt 120
tccactggtg atgatcatgg aagcccaaag acacaatgaa tccgaggatc cactccaagc 180
aaggctaaaa ttgagtgatg gctcagcaat tcaatgttgt gcgaatgggc atctttatct 240
tcaatcctat tttcaaaata gggtatggat ccatttcta atttataaat tcaatcatag 300
attgggggga tgatattcca acctaatng cgatctcagt gaattcaggg atcaattcaa 360

tggaagtaac tctaattggcg ttgattgaac ttacataaca tgatca

406

<210> 23046
<211> 408
<212> DNA
<213> Glycine max

<400> 23046

ttagcttctt catgaactca tcaccaaagt cttcaaaatc aaaagagatg gtaagggggc 60
tactgggagg tgtagaagag cgacaaggct tccatccata tgctttcttg taaaagaagt 120
ctccaattaa agaccattta tgagccctat tcttagcaaa ggaatgatcc ttcaaggctt 180
ctctagtttt gataagttct ttcttatgta gttgaacata gttgcgagaa ggtgaaggat 240
cgtacacttg aacaaccatg gaactagacg caacatcaat gtctaagtca acttctttaa 300
gtgggatcaa catgatgaat gaaaaagaat tgagaaaaag ggcaatatca ccagaaaaca 360
aaacgtgtga tcaaacaatg catagaaatc cctttgtcat gggtagat 408

<210> 23047
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23047

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agatagaggc acaagagcat caaagtgtct aaattaattc agagtatgca gatgcgaaaa 120
ggcttaactg cagctcacta gtaatagatc tgcagtttac atccccacct atacctgtcg 180
atattcctga gagaaataga agtcaaaata aggaagaact ggttgtatta gcttccaatc 240
tggagtcaca tgtttcccaa gaaggacatg ttgggagtat tactgatcat agcttggtgg 300
tnagtactaa tgctgaggct ggtactgtca tggtaaataa cacatgggtg aagaatatca 360
tggggaaagc aacacgagtg catctcaata ctaaactgc tgggtggagt cctctcaata 420
gcatgggg 428

<210> 23048
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23048

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tatttctttg gcctaacagg aactccaata tttttacagc ttctaattgt atgattgggt 120
tggccatacc ttccacatgt aaactaagcc aatttcctct ttagcttatg tcttgtgaca 180
ttgtcctcat ctacagatct ccttccattt ttctttggcc ttctcttttg gaccctttta 240
tgtggtggaa caggggtgtg atactgtgtc tgggcccatt attgtggtcc ttggagtggg 300
tcaataaaat gctggtatgt cttattataa gcttctattg ataactactc atgacacatg 360
tcttcagngc ttccttcttt gtgagtta 388

<210> 23049
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23049

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ggccttgatt ttctcaaggc ccaattggac cccatttctt ccagctacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttccc 180
aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tattgtacac 240
taaaatatca taaaataaaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatct ctagccattc 360
atacaaacca aacttgggtct tgaaagcggg ttccactca tctctctctn tcatcttgat 420
atggtgataa ccactt 436

<210> 23050
<211> 395
<212> DNA
<213> Glycine max

<400> 23050

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aaaaaggaaa gaaggaaagg aaatttcctc tcaaagagaa agcaaaaaag gaaggaaagg 120

aaattcccaa tcaaagagtg ggagaaagag aaaaaaataa acgaaaggaa attcccaatc 180
aaagagtggg agaaagaaaa aagaaaagat tgaatattcc caaccaaaga atgggagaaa 240
gtaaaaaaga aggaaaccat gacctataag tggctttctc cctttgatta ccaacaaaaa 300
tcctgtgctc tagcgacttt tcgccccgca ctaaacaaaa acagataagg aataaagcca 360
accaaatatc aaaagccaaa aacacacata agcca 395

<210> 23051
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23051

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ttatatatat aaattatatt aatgtaaaaa aaattaatat atatatatat atatatatat 120
atatatatat atatatatat atatataaca gacatatataa ttcagtactt ttgtgcttac 180
gagtcaaagt ttttatacaa gaaagtcgaa gtatatatct tatttgatac aaactctntt 240
ttttttttgc agatccattg taataatgag aaaaatttcg gcatatccaa aaaaccgggc 300
aataatatca aaattagata aattggccca caccggctta caaatgggat ggccaaatac 360
attacaaaat tntgctttcg ccaatgatct 390

<210> 23052
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23052

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tgtccataag agcaacagct tctgcctctt ggataggagg attacctata tggatagaga 120
ttgtagcagc gatgaactct tcatattaat tgcaatgcat gttacagtac cgaacttgca 180
tgattccaca aacaaagatg cgccaatggg tcttcttttc atcagcccca tttcaagctc 240
tgaccattgt gatacaacac tatcatctgg tgctctcggc tgaatgcaat ggccttgggg 300
cttgatccga ctgccctcca ttggtggata taatccctag tagaattgaa cgatatggcg 360

attggattct gcacatcatc ctacactctg aca

393

<210> 23053
<211> 411
<212> DNA
<213> Glycine max

<400> 23053

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atcacgatta tegtctccct ttccattatt gggggtgcta cttgagttgc caagtctctc 120
catctttggg cgtattcttc gaaagattcg tgccccctt tttgcacact ttttgtagtt 180
gcacccatc cggagccata tcaaaattgt actgacactg cctaataag gcaaccatta 240
ggtccttcca agaatggact caagaagggt cctaagtcag tataaccagg gacagttgtc 300
ctagtaagac tttctcagga aaaatgtatc agcagtttct catcttttgc gtatgcccc 360
atcttctgac agtacatctt tagatgggtc ttggagcgag tagtccccct a 411

<210> 23054
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23054

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tgcgcccttaa tcggacctcc gagtgaagag gtatgaccat ttgaataact caagagcttc 120
cattgttcaa tttcgagcgt ctcgatatct tatgtgctg aatctgacct ccgtgtgaaa 180
agatatgacc atttgaattt ctcgagagct tccgttggtc aatttcgagc ggctcgatat 240
cttatgcgcc tgaatcggac ctccgagtga aaagttatga ccatttgaat aactcaagag 300
cttccattga tcaattacga gcgtctcaat atattatgtg cctgaatcgg acctgcgagt 360
gaaaagttat gaccatatga attgctcaag agcttccatt gtccaatntc gagcgtctcg 420
atatataatg cgccctga 437

<210> 23055
<211> 412
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23055

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aaaagctcaa aggtcaagaa cacttcataa taacaaagat gatgatctca agaatcaaag 120

aatgagttca agatgttcaa gattgaatca agaacacttc aacgttcaaa gagaaaattt 180

gatttcaaga atcaagaatc aagtttcaag attcaagttc caagaatcaa gatcaagatt 240

caagactcaa gattcaagaa tcaagagaag acttaatcaa gataagtatg aaaaagtttt 300

ttcaaaaact gagtagcaca tnggattttc ttanaatctt tntaccaaag agtttttact 360

ctctggtaat tgattaccag tagcaaaatg gttttcaaaa agttttcaac tg 412

<210> 23056

<211> 527

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23056

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gagcgtgaat gagccatgag accgngcatc tcaaaccaag cgcgccgagc aaacaccgca 120

ggaaaggaga agattagggc gancaagcga ccaacggcga ggatagggng gaaccaagct 180

caagcggcga caagaaagtg catcangaca aggcgaaaga aggaaggaaac ccgcctgcaa 240

aaaagaggca aaagaagaag cgagacacag cactgctgcg gcgacggcca aacaaaagga 300

ggaaaatgga cgaccagcg acgcccagaga gcacctggac aaagaaggca gggaccaagt 360

ggaaaaccga aattgagaca accccataac gggcggagaa aggcgcaaca ctacaactgc 420

acagcaatcg cgtgcaacca agccggacaa aggtagcagt ggggggtgca tacctgccgt 480

gaaacaaaac aggaaatgga ccccagacag ggccaaaaaa agaaagg 527

<210> 23057

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23057

SECRET

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<223>      unsure at all n locations
<400>      23058
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<210>	23059
<211>	408
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      23059
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9658

[illegible]

<400> 23060

<210>	23061
<211>	378
<212>	DNA
<213>	Glycine max

<400> 23061

<210>	23062
<211>	439
<212>	DNA
<213>	Glycine max

<400> 23062

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cccgagagct tccgttggtc aattttctagc atctcgatac gctatgtgcc tgaatcggac 120

atgcgagtga aaagttatga ccatttgaat ttctcgagag cttccgttgt taaattttcta 180

gcgtctcgat acgctatgcg cctacatcga acatgcgagt gaaaagttat gaccatttta 240

atttctcgag agattccgat ggtcaatttc gagcgtctcg atatgttatg tgctgaatc 300

ggacatgcgc atgaaaagtt atgaaccatt taattttctcg ggagcatctg ttgttcaatt 360

tctagcgtct cgatactcta tgcgcctgaa tcggacatgc gagtgaaaag tataaccatt 420

tgaattttctc gagagcttc 439

<210> 23063

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23063

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ctcaaaccgc aaccatact cgatcaactt gggattacc cgtcaaagtc ggaacgaata 120

cccacgggta tgggttttct tgcaatgtct aagggggaga gaggaagag aaggaagaag 180

aaggtggagg ggaggggaag aaggaaagtt aggagagaag gaggggaaaa aaaagaaaga 240

aaaggaaaaa gaaggtagtg tacacaatgc cgaanaagaa agaaaaaaga agaaaaaagg 300

aagcttaacg gtggggtagg gggagggaga aagataaaaa aaatatttaa aagtgaatc 360

tacgtgagac ctacaaaaaa ttgtttaaga tctcaaatg agatctacta 410

<210> 23064

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23064

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ttggtttgaa ttcatacagg gttgatcgag actgacttat ttgtaatgaa atggaattta 120

aatttgtaat taagaacctg ggtagaaaga gtgaaagata gatctcacta aagtgggtgag 180
 taattntacc atcaaattta atcattcata aaatcgatat atattaattt cataactaata 240
 atataaagaa aaatatcact catttatgaa taatcacact taactaagaa gtgtcaaaat 300
 tatagcatta attcaaataa aaaaaataat taaggaatgt aagtatanat tattaaatta 360
 aaaacttcat atg 373

<210> 23065
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23065

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 gttgaataat gataagcttt atgatgatat cctattcaaa tatttgaaaa caagaaacaa 120
 atgaaaacaa ggtgatattt ttataataat taataaaaaa aaaagtgttc tgattttcga 180
 ttcaaacagg aaaatatttc acagcagata atgaaaaatt ataacaagca ggtaaatacca 240
 tgccttgtga aaaaccatca ctttgctgcg caatctttct ttttcacat ggccttctat 300
 agcaagcagc aaggatgttg aaggaggaaa agcgaattgt gaggttaacc cgaaagaata 360
 aagtgactgg ttaatgaaat gcttcgcaac atccttgact gtggagag 408

<210> 23066
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23066

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 atcactaaaa tctttaagc catttcatgc atatacttgg ggcgaagtct ctttgataaa 120
 tctggcataa attaaaaaaa aaatgaaaga aaagggtagt tcccaatgca acattccaat 180
 gactttttct tttcaaaata caaatggaca aaaatgccct agtgagttag cctaagcaga 240
 gttcagtcac caccacaagg cccttcattt ccctccaaaa atttgttttt cgctaacaaa 300
 ataatagaatt gccttccaat tcaatcacct gagttgtgga gtcagtaagt gcttcgagca 360

actacctttg ctttgtttaa ttgaatTTTT ttt

393

<210> 23067
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23067

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aagggatgcc ccacattatt tccatgacac aaatgcaaaa atgatgattt ggaaatttta 120
tgcaaaactg gtcatgcatg cacctatgcg gacactcaag tgtcaaattt ttatgggtcat 180
gtgatgctag ggcttangat ttatttcctc tattttaaat caacccaatg tttccaaaat 240
atgttctttt atcaatttgt gcattcattc gagtccattt cgggcgtccg gngaaatttc 300
acagcattca cccttcangt gtagacancg tttttttctc ttcaaaaatc gggtcatgatn 360
caatgaattt tttttcgaag aagagttgga aatcatctct tttcaaa 407

<210> 23068
<211> 340
<212> DNA
<213> Glycine max

<400> 23068

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acctggagat atgtcgcggc ggtcacgaga ccttgaggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacatg 180
tgacgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaga caagaccaca 240
gagcaaggaa gcttgtgggtg gctggccaac tgtgaatTTT gtgtaatatg tggattgtgg 300
cctctggtaa tcgattacca aggggtgggtc atcgattaca 340

<210> 23069
<211> 407
<212> DNA
<213> Glycine max

<400> 23069

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 cggatgtccg attgagccct gtaatatatc gagacgctcg aaattgaaaa cggaagctct 120
 aagaaaagtc aaacgacaat aaattttgac tcggatgtcc gattgagtct cgtaatatac 180
 caagaccctc gtaattgaaa acagaacctc tgagtaaatt caaacgacaa taacttttca 240
 ctcggttttc cgattgagtc ccataggata tcgagacgct cgtaatttaa aacggaagct 300
 ctgagaaaaa tcaaacgaca ataactttta actcggtatct ctgatcgagc cctttaatat 360
 atcaagacgc tcgaaattga aaaccgaagc tctaagagaa gtcaaac 407

<210> 23070
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23070

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 agcgacccga actttagttt catatcggca tccgagtcag aaggtttgtc gatgatttgt 120
 tacagcctcc gagcccattt cgagcgctg gatatattat agggctcaat cggacatcct 180
 atgcaccagt cattgaccgc tgacctttct cagagcttgc gctttcactt accagcgtct 240
 cgatatatta caggactcaa gctgacatac gagtcaaagc ttattgccac ttgactgac 300
 ttagagcttc cgttgatcca ttacgagcgt ctagatctac tacaaggccc aatcggacct 360
 cctagcttaa atgtattgtc ggctgactct actgaaagct ccgcttaaca ttccagcgct 420
 cgattattac aggcggcccc ggacatcgag ccaaaggttt 460

<210> 23071
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 23071

gctgatcttt caacatcctc catcttttag aatttccaaa gcatattttc tttgcgaaat 60
 gaatatacct ttcttgatc gagaaacctc catgccc aaaataacttca agtcacccaa 120
 atatttaatc tgaatcatta ccagttatga ggatgtcatc aacatagatc aataaggcag 180
 taaatgattt gcctttctta catgtaaaca acgaataatc tgcttttgat tgaataaatc 240

cagcaccttg aatagttgta aagaacttgg cagaccattg gcgagaggct tgttttaatc 300
catataaggg attgttgagg tgacacacaa tgttctcccg ctgtcgctga acactaggag 360
gaagagacat ataaatttct tcagaaagat c 391

<210> 23072
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23072

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atagggtgaa atatattttc aatccccaca ttccttccgg tactttcaga gaaagttagt 120
tttagtcctt gaacttcaac tttgatcaat ttgatacccc tgaactttac aaaaggcatt 180
ggtttttctc ctcccaaagg tgaaatctgt gggacaaaaa ccactgttgt tctaagattc 240
atgaacaaaa ttgatcaaag tgaaagtacg gaaactaata cgagactaaa aacatatttg 300
tcccccaac ttggtttgag ttctagaact ttgatcaatt cgggtccccta aactttacaa 360
aaaccattgt tgtttcctaa acttcagga cgaattgat caaaatcaaa gtacagagac 420
taatac 426

<210> 23073
<211> 398
<212> DNA
<213> Glycine max

<400> 23073

agcttgtgta ttgctgcatt ctactaatat atggaattgc ccactgcttt gcctgagaat 60
aacaattgct tgaccacaac agcgctggag gcggcaaggg acaatggctt ttcaaataaa 120
cctgttgtag atgaacaaac attatatcat gcgctgaccg tgccaaacga accagcgaaa 180
tcattgcata attgttatac taactatatt caatgtacct gaacaaaatg atttccaaac 240
acgtgaccga cacatatgat gcggtggcca gaagagtcag gtgggtggtg acttctaaga 300
gggaaaaatg tcatgctttt ttgttgggac aacgatataa ggattatggt ataccatgaa 360
gcaatcacat atcacatgtc cgttatatcc atccactt 398

<210> 23074
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 23074

gttacctagt actcaaagat accacctaatt ttattattaa actaggcgga catggagaga 60
 tgctttcata ataaatctta taagcgctaa cctgaaggca ctatagctga tttgatgaac 120
 atgaagaaaa tgggtgaaga attaacaata gacttcatag aaagggtcat aacagctgga 180
 agtcattggt cagtacaatt tccagaagta gagtgtgcag acatggcaac tatgaatatg 240
 cattctagggc tgaaagaaaa attagtggct caagagtata ggcaccttat ccagctagct 300
 tgcaaggcta atcatataga gcagcgata cat 333

<210> 23075
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 23075

agcttggttg gagggactta cccggggaag agtgaatatt acctagaacg aacgatgaat 60
 gttgatgata ggccgtgaat cttcgcgtaa ttactcacgg aaacgttaca gaggcgcctc 120
 cgctcggatt gtattcatgg aaataattat gctcatcaca ttcaagagag ggagaagagc 180
 ctaaggggct gaacccttct cttctgcact gtttgcccta tatatagcgg aataaggag 240
 aagctggccg cccagatggc ccaagcgagc aagggtgctt gctccagata gaacggccca 300
 agtgggcctg gctgctattg acacaccac ttttactaa 339

<210> 23076
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23076

agcttctcaa ggaagctatc tagtctataa atagaagcat gtgtaacact tgttgtaact 60
 ttgatgaatg agagtcttgt gagacatact tcaaagttcc acttctctcc ctcttttatt 120
 ccttcaattt cgtgtccccc cctctctctt tctctccctc tttcttttcc tccattgaag 180

catccttcca agcttcttat ccaaggttca tcttggtggt gaagctcctt cttccatggc 240
 ttattcccta gtggatggcg cctcctctca cctcttttcc tttgtcttcc gctgcatctc 300
 catggtggaa aatcaccatt aaaggacctc attgaagctc anagatccag cctccataga 360
 agccccacaa gcaagcttcc atcacataag tctatggcac tttcgtatg 409

<210> 23077
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23077

ntgctgattt ggttnttgtc ggcaaaaaga tcgaagttgt cttagaagag gcaaatttga 60
 ttatcctgct ttgatgaata tgaagcctan ggcaaattga gagaataagg agggaggaac 120
 ccatgctgtg attgtcatcc ctacatggcc aaatttccca ccaactcaac aatgtcaaca 180
 ctcagccaat atcagttatt ctattaccc accaccctac cagtcaagaa caccatca 240
 tccacaaagg ccaccctaa atcagccaca aagcccgct gccgcacatc cgatatcaaa 300
 caccaccctt aacacanacc anaactactaa ctagggatgg aattntccag aaaaaagcc 360
 tgtagaattc acttcaattc cgggtgtcga tgctaatttg ctcccatatc tactcaataa 420
 tgcaatggta g 431

<210> 23078
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 23078

agctttgcca cttttatctc ttcgtgtaga cccagggga ctagagggtt gccgagtctc 60
 agatgacaat ctttcttgtg ttctgcaaca taggtggtgt ccccaaagat tttataaatt 120
 tacttgcaag agcaaacctt gccaaaacta tcaactacta attttgcagt tccagacagg 180
 gtgttgatta gattcattat aatatttatg atttggaact tgaaacctac ttcagaaatg 240
 aataaacaat tctgtatttg aaaatatctc ttttgaaaag ctttacttta tcacattaat 300
 aaattcatgc acaccaaga aaaaacagaa tcacgctaag gttattcaag catttcctta 360

agtgccecaa tacctgactc tccccataga agacggcaag ggacttctt

409

<210> 23079
<211> 389
<212> DNA
<213> Glycine max

<400> 23079

tacaaactca gcttgagctg gtcagattca agggagagga accaatttat tcatatggag 60
agaatgccta tgggtctaag ggtaagaaga atcacgagcg cgatgatata gacaccagag 120
aagaagaaga gaggagaagt ctcttgcaat cagcacttaa ccttgttgat gagagtgact 180
tgtcagatgc ttttgatcga gttgtgctgc ttagtgtgga aaatgttcgt aatgaacact 240
gtagtttgca gagtgaaca gtgaaggctt gagagccagg tggagtgaag ggctgctcta 300
agaatcaagc gacaaacaag gaaaccagag atttgaggaa tcttctgatg atgtgttcac 360
aatctgtgta tgccaatgac aaaagagct 389

<210> 23080
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23080

agcttgccctt atagagttcc aggaaggata aagtggctga agggaccagt tccgctctcg 60
aatatgacag ccaccgtttt aggagcgctg agcaccagca gcgcttcgag gccatcaagg 120
gatggtcatt tctccgggag cgacgcgtcc agctcagga cgacgagtat accgacttcc 180
aggaggagat agttcgccgg tgggtggcat cactgggtac ccccatggcc aagttcgacc 240
cagacatagt cctcgaattt tatgccaatg cttggcctac agaggagggc gtgtgagata 300
tgcgatcctg ggtgaggggt cagtggatcc cgttcgatgc ggatgctctc agccagttcc 360
tgggataccc tntagtgtctg gaggagggcc aggaatgc 398

<210> 23081
<211> 376
<212> DNA
<213> Glycine max

<400> 23081

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 ttgctgaatg ctacaagctt tgcaaaacgt ttttgctgct ttagtctatt ctgcaaatac 120
 tagtattgat tatgtgttgg agtcattatt tgcctctgct aagccttctc cacagtctgg 180
 tggcattgct aaacaagctt tgcattcgat agctcagtgt gttactattc tatgccttgt 240
 tgctggatgat cagaaatggt catctacagt gaaaatgctc actgacattc tcaaagatga 300
 caacagttct aactccgtaa gcttttctct tcagtgaata tgctcatcta cagtgaataa 360
 gctcactcac attctc 376

<210> 23082
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23082

agcttgtatt ctttcttctt ttttttccaa ttcaaagtgt attttttttt tgcattgtga 60
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 ttctttacct agttataaat ttattgtagt tatcagtatg ctattttagg ggctccatat 180
 attttttggg tttgtagagt cccaaaatat tgtggatagt ttgaaaagtgt atttgggttt 240
 catttctact tattttgtca ttgcttattt acaatagcca gttgttcatg tttgcaagtt 300
 aaaaacaaaa aaaagcacat cgatagtgtt tcattggaaa agtgtcatct acaattntga 360
 atatagatac tgcttattta atgaagcata atctatatgt ttatcat 407

<210> 23083
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23083

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 ctttacctta tcttctattg ttgtttcttc atttttctcc atgtatctcc tcacatgtct 120
 tgagctaaat gtttttaaca tgattcttta aagtttccac cgattaaact tgctatagaa 180
 gctagatttg attttctatg gttcaaattt cttgttcttg ttcttgaacc ataaattatg 240

ttgagtttag gttcctttga gttttgtctt gttctttttt gtggctgaaa cctaaaccat 300
 aaaattctta caaaaatatt aaagtagaag aaaacctcaa aaatctagat tgacttgttc 360
 acctattgta gttntgtcat agaagtcatt tctagtcatt acacttgcca cataagattt 420
 cttatgttg 429

<210> 23084
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 23084

agcttgaagt aaattcaaac gacacacaac tggatctgag atttccgaat gaattccgta 60
 gtatatctag acgctcgaac ttcagaacaa aagctctgag caaattcaaa cgaaaataac 120
 tttttactcg tatgtccgat cgtttccgt agtatatcga gaccctcgta attgaaacca 180
 gaagcccga gcaaactcaa acggcaataa attctaactc ggatgtccga atgaatccca 240
 tgatatatcg aggcgatcgt aattgaaaac agaagctatg agcaaatgca aatgacaata 300
 actttttact cggatgtcgg attgagtcac gtaatatatc gagacgctcg gaattgaaaa 360
 cagaagctct aagcatattc taacgacaat aactttttac tcggat 406

<210> 23085
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23085

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 aagngataa cgggggatat tgcttacaga attatgctcc attatcttga ataacagaat 120
 taaagagacc ttaagctatt gtcgggtgat ttttcaattt ctattacgag ggtctcgata 180
 tattatggga ttcattccga cattcaagta aaaagttatt gtcatttgaa tttgctacga 240
 gcatctggta tcaattacga gtggctcgat atactacggg acataaccgg acatccgagt 300
 aaaaagttat tgtcagttga atctgtcat agcttctggt ctgaatatcg agcgtctcga 360
 tataccacgg gacacaatca ga 382

<210> 23086
 <211> 409
 <212> DNA
 <213> Glycine max

 <400> 23086

 ggtaatcttt gagctgcaaa aaatctaata ggaaagattt gcttcgtttg ttcttcaatg 60
 acaacagtta atatataggg tctgattagg gtaaattttt ctagaagaac tatgaaaaag 120
 aaataaaatg attttttttc gtaagttaat ttgaacttat gcacaaacta agctctaatt 180
 ctttttttca tcttttagag aaattattat acaagagctt ttacaataag taaaaatatg 240
 aaaattttct tatgataaat ccatttcatt tgtaattatt cctagaaatc cttctggaca 300
 gaaaccata gactaaactc aaaaaggcct ttgacgcacg atacctccgc tgtgtgggtt 360
 aaaatagttt aaatattggt taactcttcc gttagtaaac aagcgacac 409

<210> 23087
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23087

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 gtcaaccctt caacctctc tagtgggaatt tctctttttc aaaactatca taatctgatg 120
 agatgaattt gtgatttggg gttgtgattt gtggttcttt acttgtttta ggttatgttc 180
 ttgttctggg ttatgaatta tgttcttcat ttggattctt agatgttggt cttgcgttta 240
 caaaataaac atgtttaaaag aaaaaaaagt attttgtgat gacttttaac tgctaattgga 300
 gctagatttg tcttgacgga agaattgttt tgaacctttt agttaagata aataacccaa 360
 gtgaactttt tttataaaaa ataaactaaa ctganaaaaa aagata 406

<210> 23088
 <211> 434
 <212> DNA
 <213> Glycine max

 <400> 23088

 agaaactcag ccgagctaag cccagagca taaaaatctt gtgttctttt gtgccaatca 60

[illegible]

<400>	23089
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<210>	23090
<211>	421
<212>	DNA
<213>	Glycine max

tcagtcttat	cgctaagcga	cattntatcc	ttggctttgc	aagacctatn	gncaccaagc	60
gcaagtccctc	acggccttaa	ttgaggcca	tgacactaag	cgctagtcac	ggtagctaag	120
cgagattctt	tgtggcaata	tgagcgctaa	gcgagtacct	ctcagctaag	cacgtgctcc	180
tttgtactta	agatgcacac	tattagctaa	gctggccaag	gccaggctta	gcgagagttg	240

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<400> 23091

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<210>      23092
<211>      419
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      23092
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9672

<210> 23093
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 23093

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 taagcaggcg agtcctggc agtcaacaga taaaaggaaa acaagaccac agagcaagga 120
 ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat gtggattgtg gcctctggta 180
 atcgattacc aagggtgggt aatcgattac aaggcttaaa attgaagaca gggggctaag 240
 atgggtctctg gtaatcgatt accaaggggt gtaatcgatt accaggcttg aaaacgaggt 300
 caggaagcta gggaagcctc tggtaatcga ttaccaaggt gtgtaatcga ttaccaggct 360
 taaaaaggga aatgggagat ggtggaagcc tctggtaatc gatta 405

<210> 23094
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 23094

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 ggtecccttcc ttcctttcgc aacttgagtt cactattgct accccataga gctccgcgaa 120
 atttgttccg gccatactct tccttgcgag ccctcttgggt ctcttgttca agggctcttg 180
 cggttaattgc attctcttcc cgtaaccggg cacactcctt ccgaacgtgt gtagcggcca 240
 acttgaactt ctcttggca agttttgcct ttcctaactc gcttttgaga gcttggactt 300
 cttcgctctc ttccggtgct tcaaaactct ctttgctgac gacttttaac ttggcgagcc 360
 aatctaaacc tcgtatatga actttcagcc attcgtggta cccaccaatg atgccattac 420
 gaatgcctct a 431

<210> 23095
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23095

<210> 23098
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23098

ttcatatgtg aaatcaagag cagcctatct ccttagattc ctctcacaga gtggagggtg 60
 agccgtgttc tcacaatgtt caaaaccacg atgttcaaaa ttaccaacca caaaatgctc 120
 aaactcacca ataacagaat gctcaagatg ctacaaaagt acgaaatgat gcctaactaa 180
 tatatgaaat gtcctatcta tctcaagatc aaagggttgt aagtcacatg cattgcctct 240
 agtcatacac tacattcagc atgcacaact aagtgtcttc ttatgccact aacagggtta 300
 gtttgaacta caactaccct ctaatgatat ccaaagact tgaaattttg tgagaaacac 360
 cctataatca tgaaaagat 379

<210> 23099
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 23099

agcttagtgt attatgtggg taccggtcat atgtggtact aggtggcgat caggcgatgg 60
 cgcaaataca ctctccact tccacaagtc aaatataaac cgaccatccc cggttgcccc 120
 cttttcaact gagctcacgc actcctgcgt agcccttata ctcgttcctc tcagcatcgg 180
 gtccccatca acccctccaa gttccacaa tattcaagca attcaattcc aaatatcatg 240
 aaactaccct caaccaagaa aacaaagtag aggcagaaaa ctctacccaa aacacattca 300
 aataccacaa ctttccttac tcatataccc cagtaacatt ctctttgttc cgattcgta 360
 accgttgat cgcttgaaa cttttactgg aggttcctag tacataaata tac 413

<210> 23100
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23100

acctatccaa tactcaagct tgcttggtga gcttctatag aggctggatc ttggtctaca 60

attatgtcct ttaatggaga tttccacca tggagatgta gcggaagaca aaggagaaga 120
 ggtgagagga ggcgccatcc actatggaat aagccatgga aaaaggagct tcaccaccaa 180
 gatgagcctt ggataagaag cttggaagga tgcttcaatg gaggaaaaga aagagggaga 240
 gaaagagaga ggggggggagc atgaaattga aggaagaaaa agggagaaaa gttgaacttt 300
 gagttgtgtc tcacaagact ctcatcctc aaagttacaa caagtgttac acatgcttct 360
 atttatagac tangtagctt ccttgagaag atntcttgag aaaacttcct tgagaagctt 420
 ctttgagaaa acttccttga gaagctagag cttacctac 459

<210> 23101
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 23101
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 caaggaagtt ttctcaaaga agcttctcaa ggaagtttct tcaagaaagc ttctcaagga 120
 agctacctag tctataaata gaagcatgtg taacacttgt tgtaactttg atgaatgaga 180
 gtcattgtgag acataacttca aagttccact tctctccctc ttttattcct tcaatttcgt 240
 gcttccctct ctctctttct ctccctcttt ctttctctcc attgaagcat ccttccaagc 300
 ttcttatcca aggtcatct tggtggtgaa gctccttctt ccatggctta ttccctagt 360
 gatggcgctt cctctcatct cttctccttt gtcttctctt gcattctcat g 411

<210> 23102
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23102

ntaagatgaa aaccatgata tcaccttacc cttaaattat nnatgatctn tggaatagnn 60
 ntgggaataa gtgtgggggg tatgtttcat tggaagatat aatttttggc catgcttaat 120
 gtttgatttt ggccatgctt gatgtatctg catattgcct agttcttgct ntaatcttca 180
 aattcgctact gttaaaaaaa aatcaattgc tgcaaatttt gcaaattcga actgttncaa 240

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<223>      unsure at all n locations
<400>      23103
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<210>      23104
<211>      440
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      23104
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9677

<210> 23105
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23105

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 ttttttaaata ataattgtcc aatctaactc agaaaagaaa aagaaaaaaa cagaaatgaa 120
 attattcatg acatatgaga tacagtatgt tatagatggg ggtggcgtga gcctgngtcc 180
 tctacgtggt ggtcaatcag gaggttgaaa tgcacgcgta tatagatcgt atttatagaa 240
 tatattctgg cctaattgct tagactaatt attatcaaat acaacaaaca ctattttatg 300
 tatataatgt attcttttac tagtacatat atgtatgttt ctttcatata tatgtccatg 360
 cgactacaga tatttaatat ttataaaaaa aatccctgta aatgtttact 410

<210> 23106
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 23106

agcttgtaca tgacatttac aagatgcagt gacatatggg ttcaacttta ttcattataa 60
 aaattgggtca tgctcataat caccgaattg ttgacagttg acctgaaaat tacatgggta 120
 agagaagggt gtagctagca taatgcagaa attgacaatt aaattaggac cacaataaag 180
 gagatttttt ttcaaaaaga acattacaat tgataaaatt aaagactgta agaataacta 240
 tgaccagatg taaaaagtgc tgacatatca atgtaaaatt cttaatgtac atatgacaaa 300
 gaaggcagct tcaagtttgg accaatattg tgctgccaag tctagaagat tcttatcaat 360
 ttaagtcata tatttcattt gagcacaatg agaacttaag ttattgtatt attgaggcaa 420
 cacagaagaa cagtctaca 439

<210> 23107
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 23107

agctttgtgt ttcacaatta ttggttctac tgtttactct ttctacacat aaaaattatc 60

aaactatttt tttttaaaca tgttatacta attaatttgt tagaatatta ggtttggtat 120

gagagggagg gaaggaactc atgacctttt ttctttttct ttctctctta atcatgttat 180

tgatagagag tattcatcat ctattttatt aatgattaat ctccattaga aatctaacta 240

tctgaattnt ctttttcaat catatttttt tcatccacaa aattcaaaat caaaattnta 300

cttaatggac cgagtcta atcactcgag ccaactactt atntaattta aacttatgtt 360

taactaaact agcanattgc aatgttggtc anaattccta caaatt 406

<210> 23108

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23108

ntgtcatcaa catcattcat agtcataanc nctnggtttt gtatatactt attgcataag 60

taggtgataa acaaaattaa aggagagaaa ttgttacatg aatgtataag aacatcttct 120

gtcacaccg tgaaattgaa aaaaaaacat taaaaatatt attatgcaa taatgtaaaa 180

agaagaaaa tgtaaaactgg aagacactga acaaatggag aaaaaagtc agatagtaaa 240

agagggaatg aagcatgtaa aggggtggag aaataatgca cgtggaattt aaaatagaaa 300

ttagaagata tacataattg ttacacgtat taatttcaga attaaattat tcccaaaact 360

aactattttt aaaaattaat tttctttttt taacatatatt ctaanaatat at 412

<210> 23109

<211> 408

<212> DNA

<213> Glycine max

<400> 23109

tttgcttcaa gaaaaatggc cttagcaaac ttcttatttc cagaaggaaa ttcaatcaat 60

agacctcaa tctttaatgg agagggttac cactactgga aaaccgaat gaaaattttt 120

attgaggcaa tagacttaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180

acagtagaaa gaatcacaat agatgggagc acaacaagtg aaagcataac aatagaaaaa 240

cctagagata gatggtctga agaggatgga agacgagtac aatacaattt aaaagccaaa 300
aacataatta catctccctg tggaacggat gaatatttca gggtttcaaa ttgtaagagt 360
gctaaggaaa tgtgggacac tctacaatta acacatgaag gaacaaaa 408

<210> 23110
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23110

tgngtgaaga gatagattaa naagactttt atcntttttt gcaatagnct attcggaana 60
agcagacctt gcgctaagcg cccaatcttc acgcgctaag cccgagcttg ctgcgctaa 120
acgcagagac ccctaattgg ttagctgaat agttcagcta agcgcataat actgtgctaa 180
gccaacatc ttactataa ttgaaactta ataagtgggc ttagcgtgga tgatgcgcta 240
agcgcaattt cttctctgga aaaatttcat tgttggcgcg ctaagcacgc tgtcttgtgc 300
taagccctag atccattctg gaatttgagc tttcaagctg ggctaagaag ggtatgatgc 360
gctaagcacc aatcttacct gttgcgctaa gcctgaacta ctctctgt 408

<210> 23111
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23111

taagcttgtg cttaggntcg cggaacgcgc cacattttga tgtcaatcaa caatatggaa 60
taatatatat tcaggagact tacactatat cacaagtaat aaaaatgaat aaacaaaacc 120
aaaaaacaga ctgctcagga gctctcactc gacagaaata atgaattgaa ttgacagatg 180
tcaacaaaaa gatattttac aacaaaacat attgcattca ttaagcatca gtaaacctga 240
caccgacacc cccccccctc cctgttctcg tttgactcaa tatgaacatc aatttactct 300
ccattgaacg g 311

<210> 23112
<211> 175

<212> DNA
<213> Glycine max

<400> 23112

tatggcgaac tctcattgtg ataaactaca tatgtccacc aatttctata caagtcggtg 60
aaataggagc taagataaac ttgacgccat ctttggagtt atttataaaa acaaaagacg 120
cggacagaga aatttttaaaa aatcacatat gcccatatct gctagtaaaa ggctc 175

<210> 23113
<211> 409
<212> DNA
<213> Glycine max

<400> 23113

tttaagtctt tgaggatat atgcaaactc aacttgtccc tttctttgag tttctcatatc 60
ttataatatt ataatatgtt taagtcccaa taaacgaatt ttcatttggg tcatgtcatc 120
acttcactta actgacgaca tgaactcatg acaaaagttt taatatatta agcacttaaa 180
acaaaattca tatcatttat taatatctta aagggtattta agtctatatt atattattca 240
ctctctcact ctgtatatat atatatatac aggatgttgt tgatatacaga aatctcagtc 300
tggtttacac tcttgctgga ggtaaggctt tttataacta taagttttta ggattaatat 360
taatataaca gaagatacat gcatgataaa cattaatcag catgctgtg 409

<210> 23114
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23114

tgtacgtgaa ttttcaagac ttcagactct tttctctttg tcttgngaaa tagattcaga 60
gcagtcacat tttcatgcat tcaatttatt ttatatattgt tctaaatttc agtagttcaa 120
ttttgaacaa ctgaaatttg gaattcattt tttaaaatta attgggtcgaa ataaaatatg 180
agttattcaa tcttcatttg atagttccaa gttactaaat gcattgaaaa gtgaacgcag 240
aggatctgat cctctgcctc agtctttcag tcaatgatag gtattctcac acaaccttcc 300
aagctagctt gctccaattn ttgcaaaatg cctcaatcct aatagtatta aatcctatgt 360

aagagtcaca acatacagta cataactgaa gagttattan natgtaatat tattgtctaa 420
 ttacccttta a 431

<210> 23115
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23115

ttaagctttt aattctatcc ttagatcgtc acctagccac ataaactggt tctgccggaa 60
 gcaaatacat aaatagaatt gtgaaattga actttgtagt tttagttgat ctgacttcac 120
 taatctgttg acctttataa caaccgaact ctacactaca taggttttag cttcaccatg 180
 ctgttttaggt ttagaggcgt tcttgtcata tgggcaatga tcactttgcc taaatctata 240
 aatggaggaa gttgagttac aatgatgatt gcaaattagg ctcgaaatta tatgtgtata 300
 gaatcgttga gctttatttg aagtgaacat cacgaatttc cggtattgga aatattggac 360
 attacgcaga ccattgcttct ttggttgaca ttgntaaatg a 401

<210> 23116
 <211> 110
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23116

agagagctag ttaacaatct attaagacaa tttccaattc atactcttga tgatgggggt 60
 taaattaaca ctttcttga gggggcaggc accccccccn ggaccacat 110

<210> 23117
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 23117

ttagcttgat agctttgaaa tattggatgc tatatgtaag ctaatgaaga tctcgtgctt 60
 caaattactt ggaagaaaga tcaattaggt tattcctttt tttttttgga ttaataaggg 120
 taaacaaaca taaaatatat aacttacaac actttgtttt ttggtatttt tgtcagtgca 180

ggaagcaaga cagtcaaata gtctatatca atacttaatg atagagttca tcaccaatc 240
 tttgttcttc atgaccgttt aatacttata atgacacaca ttacataata tatataatag 300
 aacaatggat ttaatcatca actcagtaga accacacatg taacaaacgc aaaac 355

<210> 23118
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23118

ttggacattt gaatatgaaa tgaatttttt natattttat tttgctaaag agctacaaat 60
 tagccatgag agttgaaaga tctaaacgag aactttatat atccatcttt atgagtgaaa 120
 tttcttcaaa tcttaaataa atgaacaaaa gaagtaggca atataataag ctataaagaa 180
 aggaacaaac ctctattctt ggaattggat gaccgtgagt tgtgatttgt ctttacttgt 240
 cactattcca aatcgtaagc aataaactga atgtgagaaa aaaagagcag atttaggaag 300
 aaagctgaaa tatgttggca agctaaacat gatttaagca tatggatggc gtactactag 360
 tccgaagaan accaagatca agttaaagag caagagaata ctgagagcat gacgaaagaa 420
 accagaaaac ata 433

<210> 23119
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23119

tgtcttttca agtttcgaga ccatgctgga gagatatgga ttgggtgtaa ctggagtcca 60
 gaacttagac tagtgaagag agggtagacc aaacttcact aagattattg tgtctggatt 120
 tctaataaat atgggtcata ttaacgcgag tagtatacat acccaatata ggtttgatcc 180
 ttattaccgc tacgaaaaaa aaaaaagact aaaatgcata tatggaatcc attattgcgg 240
 actaaacaaa tacatatcgc taccttaata agtgaggcaa acagatgtta aaatgtgaat 300
 tcttagtggc ttttaacattt tgtaatcaaa atatcgcttt atactagcat tttaaactac 360
 tattgtttaa ttaattatca aatattcttc aaataa 396

<210> 23120
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 23120

agcttgtagg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag tttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccatctga gtcacgtac tcccacgtag cccatatact tttttctctc aacaccgggt 180
 ccccatcaat cctcccaagt ttctccaac atcaaagtaa tacaacattc acacagcaca 240
 agctatcgca gccaaagcaaa acagggcaaa ggcagaaaac tctgcccaat aacaccaacc 300
 aaaatcacag cttttctcac ttaaagaccc cagtaacaat ttcttcgac caattcgta 360
 accgttggat cgactccaaa attttattgg aagtctata 399

<210> 23121
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23121

acaacacatc ggtcatccta gaccatata tgaatgcaag aatacaacgt cagtggctat 60
 aaaagaatag acgttataaa aaaggattca acgacgcaca tattagacaa cccgtcngtg 120
 ttttggtcca tttcatcgtc gggttagcaa gactcngtcg tgttggtgac catatcaacg 180
 tcgggttcgc ataacacccg tatttgtttt gtgtcctgac aacatcggtg gcaagctcac 240
 caccgacgtt gtttggtagt atgtcaacgt cgggtggtgag gacaccgtca ttggctcttt 300
 ctcatntaa atgaataaaa atgaagtctt ttat 334

<210> 23122
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23122

agctttctag cttttcactg gtgtattttg atctcctttt ggtgctctaa attgtgggaa 60
 tgtgctcaaa tatgtggggc aattttgggt tgttttcttg cttgattggg ttgaattggg 120

ggtttgtatg agatggccct aggcctataa tgcattttga agcaatgggg catgccacat 180
 tgteccccgtt ctcttgctat tgatgcctaa acgcgcgcct gccaaagtgtt cgggtgaaatg 240
 cctcaatggc attagcgcgt gatTTTTtga gggaaacaac ctatgggaca acttggtttg 300
 cacatgtttt ctattttttg ggacatgtat tcagtttctg aagggttaga gtaattgccc 360
 cacatatatc ctangcctan gaaccanagt tnttatgcaa gagaacacaa 410

<210> 23123
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23123

ccnccagtcc atgagccgtt gaagcaattc tccacttcaa gacatcctaa atctctttgc 60
 ccgcgatggc ccctcctctt caacggcgtt cacgctagcc cctccatgac tagctagcgg 120
 gttggtttta acatttgggc cttcctctcg aaacgatagt caaccggcac taatcaggtg 180
 ctgcatctta tacttgaacg ggatgcagga gtcaatgttg tgtccgggag ctccactatg 240
 gtacgtgtga catccttgaa atttctaccc ggaatttttg taaacggggg attttgaatg 300
 attatatata tatatatata tatatatata tatatatata tatatatata tatgagtatt 360
 attcagggtta tatgcatata tgttcctggg agaagtagga ataaaggggg caagatacgt 420
 gggttaggct gattaagg 438

<210> 23124
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23124

agctttgatc ttctaccacc gccgccacca tcactttaga attatatttt aatattatta 60
 gtactttgat tttcagcctt gtattttggc tatattatta tgggtatttg acaatttact 120
 atttccttat ttgcatggta tgggtgaaca agtatgttat tttactatgt ggatttcata 180
 gttaatctat ttatgattgt tgcttcatgg ttcttacttc atgatttgat tgatggtttt 240
 tcatgaatgt tgtatgaatg tttagttata tttgcatact taaattttga tacgcacttt 300

ggctttttgt tgatgccaaa ggggaagaga aatgggatta aatcaagaac tcacaagagt 360
aatcaattta attntaagat aagcacanat tcaaaaacaa aggggggaga 409

<210> 23125
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23125

tccatcaagt ggtaatcaga gcacaagagc ttcaagtatg tgcttcttat accaccatta 60
atTTTTTgct ttaccttttc ttccattggt gtttcttcat ttttctccat gtatctcctc 120
acatgtcttg agataaatgt ttttaacatg attctttaga gtttccaccg attaaacttg 180
ctatagaagc tagatTTTat tttctatggt tcanatttct tgttcttggt ctCGaaccat 240
gaattgtggt gagtttaggt tcctttgagt tttgtcttgt tattttttgt ggctgaaaca 300
taaaccataa aattcttaca aaaatattaa agtagaagaa aacctcaaaa aatctagagt 360
gacttgttca cctatagtag ttntgtcata gaagtcatgt ctagtcatga aactagtcac 420
ataagatttc t 431

<210> 23126
<211> 411
<212> DNA
<213> Glycine max

<400> 23126

agcttttagtt tatgattatt atgaatgaaa aatgataaaa cctaaaatca acacaaaaac 60
atgattcaag agtagatcta caaaatttga accacagaaa tgcaagaaca agtgtagatc 120
taagatttaa tcagtttatt ttttttgaat ctactctaaa catcaacaaa ccacaagaca 180
atggagaata tacatggaga ataagatcaa gaacaaggaa ttaaagagaa ttcaccgaac 240
aaaaagatag aggaagcaaa agaacatcac ctagatgaag atgctcttga taccacatga 300
tgtaagctcc atcgagcctt gtaggcctag gatcttcttc atcaatggat tcctttgctt 360
cttggagat gaatggcagc ggaatggaga aggaagagag agaggagatg c 411

<210> 23127

<211> 428
 <212> DNA
 <213> Glycine max
 <400> 23127

cttctatgga ggctggatct ttgagcttca aataagatct ttaatggaga tttccacca 60
 tggagatgca gcggaagaca aaggagaaga ggtgagagga ggcgccatcc actaggggaat 120
 aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataaaaag cttggaagga 180
 tgcttcaatg gaggaaaaga aagagggaga gaaagagaga ggggggagca cgaaattgaa 240
 ggaataaagt acggagagaa gtggaacttt gaagtatgtc tcacaagact ctcatcattc 300
 agagttacaa caagtgttac acatgtttct atttatagac taggtagctt ctttgagaag 360
 cttctttgag aaaacttcct tgagaagcta gagcttagct acacacaccc ctctaataac 420
 taagctca 428

<210> 23128
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 23128

caagctttga tctcatttgg agagggttaat gaaacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
 tgggtgttct agacaaaacc gaattgatgg tattaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg tattctcatg 240
 caacaactga ggaggacaaa aagggtgaagc ttgccgccac ggaattttcc gactatgctc 300
 ttgtgtggtg gaacaagcta caaaaggaga gagcaagata tgaagagcca atgggtgata 360
 catggacgga gatgaaaaag atcatg 386

<210> 23129
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23129

ntgagaaaat tcanacaaca ataactntnt acacggatgt ctgatagagt catgtaatat 60

ttcgagacgc tcgaaattga atacggaagc tctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tctgattgaa tcccataata tatcgacaag ctcgaaatag aatcttgatg 180
ctctgagcaa attcaaacga caataacttt ttactcgaat gtctgattga gtcctgtaat 240
atatcgagac gctagaaatt gaatacggaa gctctgagca aattcaaag acaataactt 300
tttactcgga tgtctgattg agtcccgtaa tatatcgaca cgctcgaaat tgaatgttga 360
tgctctgagg aaatacaaat gacaataact tttttctcgg atgtccgatt gagtcccgt 420
atatatcgag acgctcg 437

<210> 23130
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23130

caagctttat tttaaacttg gccttctctt aattgtcttt gggcttggcg accacgatca 60
acaaagtact ttcggcacct actatatgtt gacttgacca acgctgttat tggaatgctg 120
cgacaatctt tcaacacctt attcacacat tctgataggt tggttgtcat gtgaccatat 180
cgtcgtccag atgtatcgta agccatgctt cattnttctt ttgaaatgcg atcaatccat 240
catgctatgg ctggactcag ttgacgaaat ttttctaagt ttgatcana cacatgcttg 300
caaggagtgc acgctgcac aaatttgtaa tcatcaaaag ttgtacgtag acatcaaact 360
canattaaat taatgtataa aataaacctt acccaatttc ttgaacatct c 411

<210> 23131
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23131

tgcagaaggt ggttgcgga gtgtgtanta aaggatccta ttgcgtatct tgatggccaa 60
agtgatccaa ttccagttgc tatcaaaaagg ctcaacactc gtggcttcca ggtatatact 120
ccgtccgtcc ctatttataa taagacagac ataccaaca aatttttttg gccctgttat 180
aagacttcat tatatttctc ttctattaat tttttttttt tttactgaaa cttcataaat 240

tgtctttttt tccgtcttat gatgattgaa gaagatgagt aggttgtcaa taaagttaag 300
 gataaatttg aaaaaatatt actcttgga agttaaagat tggagtataa ttattgacaa 360
 atttaatttt aaaaactaaa ttaattaact ttcttaataa ac 402

<210> 23132
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 23132

tctgcttttag cccttaggtt gttcagaagc tagctagtta gttaagttga acatccttta 60
 gattgctagc tggttgaaat caagcttaac gaggtggata tagataaata ataggaggaa 120
 aaaagtttta aaatataaaa ttctattaaa acttttaa atataaaaaga tattttaaag 180
 ttttaataaaa ttacaaagaa tagcaactat ttaatgtatt agttgcacat acttggttta 240
 acaaatgtgt gatttgtctt ggcaaaaaaa tgcgtgagtt gcaccttata taagtatttc 300
 attccatata tggctatatg ctagagggtt tgaccaaccc ttctaacata tttcatatat 360
 attcagccgc ccaatgttaa attggaaagt tatagataat 400

<210> 23133
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 23133

catcgccgcg agtatgacat gcaactccact atggctgaag tagacgagac cttcaatcct 60
 attacgcaac gaggcggaca aaagtgggca gtttaacttga atggtcatta ttatcaatgc 120
 cgaaagtatt ctgcgcttca ctgtccatgt tcacatatta ttacagcttg tggttacgtg 180
 agcctgaact actaccaata tataaatgtt gggtatacaa atgagcacat cttaaaagct 240
 aactcctcac aatgggtggc tcttggaat gaagcggcta ttccttcttc taatgacgca 300
 tggacactta tccctgaccc aactacaatt cgtgcgaag 339

<210> 23134
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23134

ttagctttca tttttttttg gtttccaaac tttgttcttt cacagaaaac aaagtgtgca 60
attcatcttt ttcattcttt tctccctttg ccaaagagaa ttcgccaagg actaaccacc 120
tgaattcttt ttgtgtctct cttctctctt tccaaaagaa cgaaggacta accgcttgaa 180
ttcttttttg tctcccttct ccattgtcaa agaattcaaa acgacacagt ctgagaattc 240
ttttaattct cccctttccc ttaaacaaaa aatttcaaag gactaaccgc ctgagatata 300
tttttttttc ccttcacaaa tgtttcaaag gactaaccgt ctgagaactn tgtcttaaca 360
cattggaggg tacatccttt gtggtacaag tagagggtac atctc 405

<210> 23135
<211> 409
<212> DNA
<213> Glycine max

<400> 23135
tcatgcttaa gtatgtatgg aacaacttca ttactgttgt ttaacacata caagagagct 60
tatgacaaat cttctagact tggagtcatt acatgcaatc ctcttgaacc cttaccaccc 120
actctgacat catgctgaaa cttaagaagg ccaacaggtt tagccttctc aatgtattct 180
gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc tcttgatga 240
tatagattat tcatatacat tttaaaaatc ttcattgtatc gctcaactgg gtaacatcac 300
tgcaaataaa caagaccata acatttgatt tctctgacga gatgcataat caagtgaatc 360
atgatgtcaa agaaggtatg gggataatac atctccaact ggcacagta 409

<210> 23136
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23136

tcaagcttgt ccaaatccct tgaagctgaa aactcctcta atgaagattt tgagtaagag 60
tctaataag atgaactcac cttcatctca tgaaagattt tcaagatgtg gaagaacaaa 120
ggtagatcca aatagaataa cttctcaaaa atgttgttca aggaaaagaa tgacaaagac 180

aaaagctcca taatatggta tgaatgcaag atacctagac actntaaatc taaatgccag 240
aacaagagaa gtcttgggac aagaagatat actacaagtc caaggaaaag aaaggtctct 300
ttagcaccta ggaggatctg gacgacacat tgtctaataga agatgaagaa gaagccaacc 360
tatgtctaata ggtagacata gtctttgaag aataa 395

<210> 23137
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23137

tgcttctaca acaaaaggta caagcaagac tctctattag ttcttactca atataatcct 60
caaacactct ttgagcctgt ctaatccttt ctttcatagc cctcttacc cgcaccacat 120
tacaagccca ataatgccca tgtggatcaa ggaatgacta atttgctttt aagttaggat 180
tctagaatga aaccgcaca tgcttgtgat tggtaaaaaa tatataaaac aaaaagagaa 240
atccctgagg ttcgcacttg catgtttgag aagcaaactc atttggttaa gagctcatgg 300
aagatgccca aacatctaata gttagtctct catgcaaact ctntgatatt tctttcgaat 360
ccaatggtag cttcattaca taaatcttgt caagatcaac ccttgccatc aagtttcagt 420
agggtcaaca g 431

<210> 23138
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23138

agcttccata ttgatgttgn agctgctatc cacccgattt tccaccttct gttagtgtct 60
ttcaatcctg acatggaata gtgctggatg aaattatcca taggcctcca atggagcact 120
ctaggttctt ttacccatga gctgaattcc caccatagag gcataactnt atgacacagg 180
aagaataagt gggaggcaga ttcagctttg ctctgacaaa aagggcacia atcattttca 240
atggtaacat gcctcctaata taaattatcc ttagtgggca atctgtccca tagaagtctc 300
caagcaaaga ctaaggctct aggagggtatt ntgatgttcc atangtgatg gaaaccaaga 360

cattgatctt catgaagggtg atcagcttta atataaagat

400

<210> 23139
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23139

agtcaaggaa gctacctagt ctataaatag tatcatgtgt ttactagnt gcaactctga 60
tgaatgagag tcttgtgaga cataacttcaa agttccactt ctctacctct tttattcctt 120
caatttcgtg ctccccctc tctctttctc tccctctttc ttttctcca ttgaagcatg 180
ctctccaagc ttcttatcca aggctcatct tgggtggtgaa gctccttctt ccatggctga 240
ttccctagtg gatggcgcct cctctcacct cttctccttt gtcttccgct gcacctccat 300
ggtggaaaat caccattaaa ggacctcatt gaagctcaca gatccagcct ccatagaagc 360
cccacaagca agcttccatc aagtggatc agagcacaag agcttcaagt aggtgctcct 420
taaactcca tt 432

<210> 23140
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23140

agtttgcata aagattctca ttttggttta atcgattacc agctacctgt aatcgttact 60
cagttcagtt gagaccatgt ctggttttca tgagtatttg ctttaatcga ttaccaagtg 120
attgtaatcg attacttcaa tcttgaaagt gttcccagaa gtgatcaaga acactttaac 180
caattaaata aataatctaa ttgattgcat tgttcttgaa aattttccag gtttcgggaa 240
gaacacttta atcaattgaa ataataatct aattgattac ttcacgaaa taatcgatta 300
cattggaaat ttatttgatt acaggcagtt ataacagttc attgaataat acacttgana 360
ctcagttctt gacatatntg cttgagaaaa tcatatccct tg 402

<210> 23141
<211> 428

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23141

 atactcaagc ttcaagaatt atggcctcat caaactatTT gntttcgtgt gaaattgtat 60
 aaatagacct cctatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaT 120
 ctttatagag gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc 180
 ctctataata gccggaagtg caacaataga aaaacttaga gcagactgga ctgaggaaga 240
 aagaagatta gtacaatata atttaaaggc caaaaatatt attacatttg ccctaggaat 300
 agatggatac tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca 360
 agtaacacat gaaggcacia cagatgttaa aatatctagg ataaacactt taactcgtga 420
 atatgaac 428

<210> 23142
 <211> 396
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23142

 agctttctag cttttcattg gtgtattttg atctcctttt ggtgctctaa attgtgggaa 60
 tgtgctcaaa tatgtggggc aatttttggtt tgttttcttg cttgattagg ttgaattggg 120
 ggtttgatg ggatggccct aggcctataa tgcattttga agcaatgggg catgccacat 180
 tgtccccgtt ctcttgctat tgatgcctaa acgcgcgccc accaagtgtt cggtgaaatg 240
 cctcaatggc attagcgcgt gacttttgta aggaaacaac ccatggggca ttttggtttg 300
 cacatatttt ctattttttg ggacatgcat tcattcccga naaaggctag agtaattgcc 360
 ccacatatat cctatgccta gaaaccaaag ttttta 396

<210> 23143
 <211> 395
 <212> DNA
 <213> Glycine max

 <400> 23143

 gacctataaa actcagcttg cgattgggtct tcccaggatt gattttgttg gtccaaaaag 60

aagtcagaaa aatttcttca gaggcaaaaa ctctctatatt taatggatga cagggttatc 360
 gtaatcgatt acaacaagct gtctgaagct tgtagagttg agtctcatat tagtttaatc 420
 aattacatg 429

<210> 23146
 <211> 613
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23146

accgacgcga tgagacgcca caangtaaat aaagangagc gananagata tacataacna 60
 caacnaacac aagacacgag agttgaatca tngcgagngc atncgnanna caaananaca 120
 annagacnac cangaaaaag gcacgacaac gaagacacan aancagggttg nnaactacgc 180
 agttttacgaa acgcaacaga cagagcgcac gaggaagggg gagccgagaa gagagacaca 240
 cagaacgcac gcagcagacg gccaaaggaa aacagacgag acgacaagaa acaggaagca 300
 nggacagcaa cagaaacgag caaagaaagg agagaaacga agagcaaagg aagacacgag 360
 acgcaagaga aaggacagag caaggacgag ccgaaagaag acgagcagga agagaaggag 420
 agcgaaggac caaaaggac acnaacggaa gaaagaaagg acaagagaga gagcaaagga 480
 gcgaaggggc ggaaagaacg cggagacgga accgaaggac aagaaagcga cgacaggacc 540
 ggacaaaaag aagaaagaga aancaaggaa agacaaggan ggaaaagcag aaggagaaaa 600
 cgcagaaaaa ggg 613

<210> 23147
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23147

agcttatatt atcaaaattg cctaaatcat ttccaaatat gcatgtgaat taggaagcat 60
 caacaagaat caagccaagg ctattatgca agcaatcaat ggggaaaaac acaccaaaag 120
 attatgatga tggatggctc aaattctcac aaaggtaaac ttatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagaggaaa aacaaggatt taaaatcaca aaatgtcaag 240

agacttttat tttcagaaca attacccatt tcttgaacat atcctataat tcaaagaaaa 300
 atatgcaaag ttgtacatgc aaacagaatt gacctanaat attaaactag aaaccaaca 360
 aaactaaca aattaacaaa acaaacaaaa cttgcaaac caaaacaaa g 411

<210> 23148
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 23148

ctaagcttgc ctggctcaga aaaagaacat caagattgtc cattaaatat gggatttaga 60
 ttgtactgat tcagagaagt gtccacgcat tagttcatca ttaaaaatag ttgtcatgtg 120
 tatcagaaaa acaaaaagtt catatttaca ccaagaatt caacaatcca aattgcattg 180
 atccatgtcc gtgcacccat tagtagaaaa attattttct acgataccaa aatgaagacg 240
 attccttaag aaccgtctta gtatatcagg cggagacatt tttgtaatta aatataatca 300
 ctctcactct tcgactcccc tctagggttc gaagccgcaa ctacatctat tggggttcca 360
 actctttgaa tccctctcac tcttcttca tggacgcttt gcttcttttt cttctccttt 420
 gtgtgacaat ggttcaat 438

<210> 23149
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23149

agctttcaac aagagttttt acaaataacc atcatgaagc agaaaactaa caaaactacc 60
 catcatatct cccaaaacc cataccacg aaattttaaga gagaaagaag tccacccaaa 120
 cctgaaattt cgaagtccca ctcgtagcca cgcacttcac gactccaaaa atgccctcct 180
 ttcgcgattt ggagcagaaa tgagcaccaa aggttgaagc tttgtttgga gcttcaatgg 240
 agaatgaggg agaaagaaa gcaacgtgag gaagagagag agctatctga aaaaagtgtg 300
 ggggctgagt gaagagagag aaaagctttt tggttttaaa ataaaggggt ttctctntnt 360
 ctattatnt attcaagctc tgccatgtgt ccctatttga gtggagc 407

<210> 23150
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 23150

tcggaagata gtgatgaggt acaagtccta aaggcagtgc ttgttagatt ctgagtagtc 60
 gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggat 120
 gtcaatatgg ccaccgatga agccttgga tgagaaacca agaaggcccg aaaggaagaa 180
 cacgacaaa tcaaattttt gaggggcttt atagggcagc aatagtgagc tcaaactccg 240
 aagaggtgaa aggaatcatc acgggtcaaa ggcattgatct ggaaggacga gctaaaggct 300
 tgccttatgt cgaaaagaaa tttgtcccaa cagttaagggt gagactgaag ggaatatgtg 360
 ggccatcatc gataagtgc aagagaagct aaatctagcg gcgactcatg 410

<210> 23151
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23151

agcttttact ttatatacaaa attaaaatat taacacataa agcataagac acaactaaaa 60
 caactagatt aacaaaaaca tccctatatg tctaacaat taatgttgaa gtaacaaaaa 120
 tcgggagcat aatagtttca atttatcatg aacaaacaaa aaactagata acaacaaaga 180
 ttatttttgt aacacattca atgaaaaatt gtcataccct aatttagttc ggggaccatc 240
 cgttgttggt atgcgaccct cgtttgacca ctctgaggta tttggcacc atcgttaggc 300
 aatttgtgaa gttctaagac atgccggaag ccaaaagata agcgttgtag cacaatccgt 360
 gaagttccgt gacatggcgg anattataag gaagtgttag tgcgtaatcc gt 412

<210> 23152
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23152

tgctcttctc caccgtaatt ctctccaccc tgccaactaa gtctttnttc actttctaca 60

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<400>	23153
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<400>	23154
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attaattggt gctgaagacc caaattaatt tgaaggccca agttaataa gtttttagtt 420
ataattta 428

<210> 23155
<211> 404
<212> DNA
<213> Glycine max

<400> 23155

taagcttgcc gcaactatgt gaagtttgct ttagtttggt atttggtgct tgatagtgg 60
ttatagaggc tgaaattggg cttgctgac cagaaaaaa aatgcatgt agacttaaaa 120
cttgctgagc catagggtgg tctgtttaa gaaattgggc caaagattga agtagatgtg 180
ttgtctctaa attgcaatgc aaaaaaagt gttaagggtg ttcctgagga ctctactcag 240
aatgggtattg aagatatgga tgttgatggt gctaattggt tgggtaaagg tgggccagtc 300
gctaaaattg aagttgtag agttaaaact ttagctaag tacaagatgc tgaaactgaa 360
gttgatatg tgtctccaga agatgatgga caaacaagt acac 404

<210> 23156
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23156

tgcatgaatg tgctttcaag nacggaccta tgatactcag cttgcaaac attttcatca 60
cactggtttt tctattgttt tgagccaatt aatgctagga ctatcttctt ctaaactaat 120
cctccatgct ttagaatctt cttgtcctcg ctcttgattc aaaattattg tcttcattat 180
ttgattgagt aacttaagat gcaatatata tatatatata tatatatata tatatatata 240
tatatatata tatatatata tatatatata tatatagaga gagacagaga gagagagaga 300
gagagagaga gactggaaca tgtgtgatgg gatagagaaa ggtgtgacaa ctcacacaaa 360
agagaaaaaa atatctcaat tggataacat tgttttatag gcgcgatatc tgtatatcat 420
atgtaaagat cgcgatgat tcatggatat ncattctaag aaactcaatg 470

<210> 23157

<211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23157

 agtttgggtga atcttcaagt tgattttgat ggtatacgtg gtccaaactc caaacacggt 60
 agttttaagg gagattatct aagtatttgt aaagatatct taataactta atcagcgagt 120
 gaacgaattg aataattgat tagttatata tggaaagata gttcgcttga taacactgga 180
 tgtaccttat ttatagcgtc caaatacaat taaattaaat atgacattca agcacatata 240
 tatttttttt taaggaagca catatctaatt ttacttgata aagaanatct taaatatttt 300
 tatttttatg atgttaaata cattntttat ttaatacttt tattataaaa tagtacctaa 360
 agattaataa aaaatattat aagagaatat aatattact 399

<210> 23158
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23158

 tcggcctata tctgtgatgc aggggaagga ttagtggtat tgcggaagaa gctcgatgat 60
 gagtgtaaag acgacttaac aatatcaaact actaaagatg aattgagcct agtatgataa 120
 atttccacga ggtggtcacg ttgacatgaa gctagctcgt tctttttcca tgcaacattt 180
 tacaatgtat attcaatcca aaaataattt cagaactgat tgtttcgaag caagtagtgt 240
 tggttatagt tggaatatcc ggtgtctata aattgtgatt cctatccagc cattgacatt 300
 ctttacgctg caattttttc ttttcaaccg aaattagcat taaaataatt caaggtaatg 360
 atccaggaat tgatcgatgt gcaagaaatt cttttttttt ttaatacaca ottattagnt 420
 ggaattta 428

<210> 23159
 <211> 396
 <212> DNA
 <213> Glycine max

 <400> 23159

agcttggaga ggatgcttca atggaggaaa agaaagaggg agagaaagag agagggggga 60
gcacgaaatt gaaggaataa aagaggtaga gaagtggaaac ttcgaagtat gtctcacaag 120
actctcattc atcaaagtta caacaagtgt tacacatgct tctatttaca gactaggtag 180
cttccttgag aagctttctt gagaaaactt ccttgagaag cttctttgag aaaacttcct 240
tgagaagcta gagcttagct acacacaccc ctctcataac taagctcacc tccttgagaa 300
gcttccttaa gaagattcct aaagaagctt gagcttagct acacatacct ctctaatagc 360
gaagctcacc tccttgagat gagaagctag agctta 396

<210> 23160
<211> 431
<212> DNA
<213> Glycine max

<400> 23160
tgtgaaattc ttaaaggaaa tgggtccaag ctttgttttg agaatgagac aattgctaaa 60
gaaaaatcta ctcttttggg aaacttttgg gagttggaaa acaaattgat aggtctacaa 120
aatgatataa aggagctaata tgaacttcat gatcatcaaa gtaaagaaaag atatgatcta 180
tggagagaat gtgcacaagt acatttagat tatgaggacc ttttaagtaag taaacataat 240
ttttcagtag aaagtgaaga acataatctt tatcttatgt gcaagatttc accaagtact 300
tagggaagtc catctaacta caaccaaagtg tatgttttagc tatctaattg ggacatctaa 360
tattggtcta ttgttcaaaa gaagggaaga ttttgggctc acaagtttgt gtgatgttga 420
ctatgctgga g 431

<210> 23161
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23161

agcttgcttg agaagcttct atggaggatg gatctttgag cttcaatgag gtccttcaat 60
ggtgatttcc accatggaga agaggttaga ggaggcgcca tccactaggg aatataagcc 120
atggaaggag aagcttcacc accaagagag tgtcttgat aagaagctta gagagaaagc 180
ttcaatggag gaaaagaatg agatagagaa aggggggggaa gggagcncgg nattgangga 240

gaaaaagaag gagagaagtt gaactttgaa gtgtgcctca caagactctc attcataaaa 300
gttacaacaa gtgttacata tgcttctatc tatagcctag gttgcttcct ttga 354

<210> 23162
<211> 428
<212> DNA
<213> Glycine max

<400> 23162

aagtcctaaa tggcatttca agctaagatt tacttacttt aacctccatt taccacagaa 60
tccagattta accttccaac tctcaaagcc tcactctttt tccactcaca acaccacatt 120
ctcactttct aaccccaagt taactctacc cttcatctct aacagtttcc ataagcaatt 180
tcagcacatg aacatcacaa gcatcatcat aaaaacccta aaacagaatg ggtatgttta 240
actcatccaa acatggcaat ttcaacatgc tttcaacaag tgtcttcaca aataatcatc 300
acacagcaga aacctagcaa gactacccat catatctccc aaaaccccat acccagaaa 360
tttaagagag aaagaagtcc acccaaacct gaattttcga agtcccactc gtagccacgc 420
acttcacg 428

<210> 23163
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23163

agtttatgtt aattgataat atttttattc tacatttgta attaaggaaa ggaattaaga 60
gcaaaggact tctagaggat tttgatatga gaaattgtat ttttacacca tccttctca 120
acctaatttt gtacctttta ataaggataa actaattttg taccttttaa taaggataaa 180
ctattataac aggtcattga acaccaaact tgataatata tcaaataag tgatcctaac 240
gatgcatgat gatttgaggt tgacacaaaa gactaaaagt gcaattaact ntactttntt 300
tattttttct tattacatta atcatntat ctcatatgtt gtattacata aaaatataat 360
ttattatata aaaatcctcc anaagtcaag ctcttaatta t 401

<210> 23164

<211> 433
 <212> DNA
 <213> Glycine max

<400> 23164

tgatgggttg catcttcatt tcatgttaat ttttacttat agcacataaa tatatacccg 60
 ttgttgttta atttagtcat ccttattggc tcctttttct tacactacta gaaaaacagt 120
 tttctacgac acagtatcta cgacggttgt ataagaactg gcttaaaaag tagtacgggtg 180
 gcatttttgt aattattata aggtttgaag cattttacga aatacattct aagacgggta 240
 ttaaaaaccg ccttagaatg ttatatgaaa ttaaatttac tgcgggtttt agtaaaaaac 300
 cgtaataatt cagaaaaaaaa aagaaataaa acgcgtcctc ccaccttctt ttcgcgaacc 360
 ctaattcttg aagctggcct ccactcagcc tcctctcac tctcacgctc tcatactctc 420
 tcttctcttt cac 433

<210> 23165
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 23165

ggcaattgag ctcggaacccg ggatccttag agcacctgtg gcatcaagtt tgcgcgctaa 60
 gctgaaaagc ttctctagaa ttttaacatt ttgaattggg cttagtgagc agatgcgcta 120
 agcgcaaggg ctcttaaaac tcaaacgtca tatgggcacg ctaagcgag ctgtgcgcta 180
 agtgcaccat acgaaactgc caaatattat aaggtagctg ccgtaggtag ttaccatttc 240
 actcttggtg tgcattaagg ccattcattg catctaccct caacttgctt catttgctg 300
 cattctgca cctttgctat tctttgcatt catctacaca atccaagtaa gttgctttac 360
 tttacttcat ttcgttctaa gttttcaacc ttaggataga taatttagtg attgtaggt 420
 aaaaatactg tttatgctta gtg 443

<210> 23166
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23166

caacactgac gccgacaaaag ccgccaagcg cacgtcgaag acgaacggac gcngcgcata 60
ccacccacag cagccgcggc ttgacatgat tgctccgaa agccannng ngacactata 120
gaacacgcga gcggctcaag gaaggctgca caagaaagct ctccattgaa gcgacctgcg 180
gccacaaagg agaagcgagg cgtaacactt agccgccacc tcgacgaaag agagactgtg 240
cgagacatac tacaaaagggc cacgcggcgc cctcgttgat accatcagag ccgagagccc 300
cccgcgcacg agctaaccce cgagcgagga caccaaagaa gcaatccggc aagcttctga 360
cccaaagctc agcgaggcgg agaaacccca tctcccatgg ctgataccct agaggaaggc 420
gcctcctcag acctctacgc cgtggacatc cgctgcatcc ggaaaagcac catcaaagga 480
cctgatagga gctcacacat ccagccgaca tagaagcccc acaagcaagg cgccatcaga 540
aaggcgggag gagaaggagc ctctaag 567

<210> 23167
<211> 410
<212> DNA
<213> Glycine max

<400> 23167

tttgcattta agcttgttgg catcttcatg aaattttgga tgaacttgca ccatccactg 60
tcaataagaa caaattataa ataaaattac aaattgggag cacaaggat ttatacaata 120
aattactccc tccgtccctt ttataacac catttcaact aatttgaacc cttaagaaa 180
attggttaat ttagttaatg acattaaatt ttcaataatt tgtaatgttc ttccaaaatc 240
accctcttaa gttttttgaa attaatacatt tccctcttcc cacttaattg cttctcacct 300
agttgccact catcttcccc aatcctgata agagagaaag tatttatctc attaaatttc 360
agcatttatt atttttttac taaaaaaatt gttaattaac tacaggtact 410

<210> 23168
<211> 358
<212> DNA
<213> Glycine max

<400> 23168

catcttggaa ctctccccc cggcactaaa ttgagaagtt ctacttgaac tggaaaacca 60
aaatattgaa aaagctgtat aagaagataa aatgcttggg ttcttgaagc tgctttaata 120

agtgttctgt tttgaagaat aaaatgggca tcttgccaa ttcttgcttg tattttgcag 180
 gtccacaca aaagcctgaa gatatgtaca ggattattga gcactttgcc cttggaagga 240
 ggagactaga actatttggg gaagaccaca atatacgagc cggctggctg actggtggag 300
 agaattatca tcttccaatc ttaataagag gtaagatata tgaaatgcta gcataacct 358

<210> 23169
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23169

agctttgatc atctacctta tttctgacag ccagtgggtg aatccagtcc aagtgggtccc 60
 taagatgaca gacctcacia taattaagaa tgatagggat gagcttatcc ccataagaat 120
 gcagaacagt tggcgagtct gcattgatta taggaggctg aaccaggtaa ccaaaaaaga 180
 tcatntttcc ctgcctttca ttgatcaaat gcttgagcgc ttggctggta agtctcatta 240
 atgctttctt gatggctttt ctggttattt acaaaatcat attgctcttg 290

<210> 23170
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 23170

tcaacatcag accacttcca ggggtgctgga actactttac atgggtcttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtgatcaag agaatacagga gtgaccatgg 240
 cagagagttt gaaaacagca agtttactgg atactgcaca tctgaggcat cactcatgag 300
 ttctctgcag ccattacacc acagcaaaat 330

<210> 23171
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 23171

tatgaataac gagaattggg ctctactgtc cccgatggac ctctatgcta actatccctc 60
ttttcggcga gttttccgaa tttcgccgca aagttcccct ttgatgcgaa cactaacacg 120
catgctgcga gcatgcgcgc ttacaccggc actgtgctgc catctcgctg gaggaccct 180
ctgatcagaa gagctctatc cacaaacca acggcaccgg atgtgccacc acgcctccca 240
tactccgaca tgtcaccctc acgcacgac ccttttctgg gacatgacgg tgttacacaa 300
cccac 305

<210> 23172

<211> 310

<212> DNA

<213> Glycine max

<400> 23172

cttttctatg ctgcagagcc tgcattatgg ctagctcttg atcatgcaa gctttagaa 60
tgtggtgcac caacggccgg taatgagcgt tgaagaattt attcaatagg tggcctggcc 120
aggaatccaa ctttctcctt tgggaagggg tgaggcctcc gcagcccaag agcctcatca 180
agatcagcag gaggacattc cagaggccgt agagcctaca cctcctgaac cattcacttt 240
agagtctgat ccggtttgtg tacacgttca agaggatggt acgacatcag aagcctttat 300
ttttaagctg 310

<210> 23173

<211> 272

<212> DNA

<213> Glycine max

<400> 23173

tagcttttgt taaagactat ttattttcat tctcttgcta cctcaccgtt tttgtgcaa 60
actctctctg ttgggtccaa acttatattat tactcatact atctaagctt gggaacctcc 120
agatctgagt tcttggttca tatgacaatt ttcgtgctac cattattaat ggaagggggg 180
tcgttgcaact tcttgaacca tgccttatt gttataggaa gctccgcttc cttgcatgct 240
ggggagatgc tcaaagcctc atagttaatg tc 272

<210> 23174

<211> 109
<212> DNA
<213> Glycine max

<400> 23174

agctttattc tccagttttg tttcagggct ggccatcaga tctggtacat ctgccatata 60
ctctaccggt cttaggcctc atgaactttc tcatattcog catcttact 109

<210> 23175
<211> 377
<212> DNA
<213> Glycine max

<400> 23175

ttattgtatc gaatctaaca agggcgagtg gttttcggat attatataga cgctcgaaat 60
tcaaaagaac cctcacagcg aaatgaaacg actttaactt attactagaa cgttcgaatg 120
aatctccgta agatatagag acgctcgtaa ctgacaacac aagctctgat caaagtagaa 180
gataatagct atttactcgg acgtgcgcat gtttcctgta ggatatctag accctcgtaa 240
tagataccag aaacccatat caaactgtaa acggcttttag atcattactc ggaaggccga 300
atgatatcca gtatatatcg aggcgatcgg tattgtaaac agaggcttga acaatatgta 360
cgacaatagc tttaacc 377

<210> 23176
<211> 387
<212> DNA
<213> Glycine max

<400> 23176

ttgcatgcca gctttgttcg aggatgccta cccattaccc attaaatata gactagttga 60
tagggccaca agaccctgcc tacttagctt cttagatgca tactcagggg acaaccaaatt 120
acggatgcat ccacaagatg aggagaaaaac aaacttcata acctaggcga ctaactattg 180
ctatcagatt atgccattcg gcctataaaa ggctagctcc acttaccagc acctattgga 240
catgatattc aaagaacaaa ttggaaagaa aatggaggta tatgttgaca acatggtggt 300
atagtctaatt gatgcagaat cacacaccta tgattttgaa gaaatatttg caaagatctg 360
aagcctaaca tgtaactcaa ttcgaag 387

<210> 23177
 <211> 295
 <212> DNA
 <213> Glycine max

 <400> 23177

 agtaattata cagcatcaca atcctaattct cgttctatctt gcaatcaaaa tgttatgctc 60
 tattcctaga aacctaattgt aaagagtaaa ttcattcagt tcagattcta agagtacttt 120
 ccaatcaaaa ttaagatcca atttcatgaa acttgtgata aatagaatc aaacattgag 180
 aatagaatga aatcaccaat aatgagtata aaatattcat acatatatat aatatcacia 240
 gagataccta aggtacaaa gaatacattc catcctttag agaaactaac cgatc 295

<210> 23178
 <211> 323
 <212> DNA
 <213> Glycine max

 <400> 23178

 actgggataa acttcttgaa gggcttcttt gtctgcttgc attccaagca atttctacat 60
 ttctcctgtg gttattgtag ttgaagaatt ccttgtgcc aattgtgcat ttgagcaaaa 120
 tctttgaaat tcaagtgtcc aagcctacag tgccaaagcc attcttcttt gttgctcaca 180
 gcactaagac attcgtgctc aaatgcttgc gttccaattt tgaaagttct atttctggctc 240
 aatgggtgttt ttatgattag atttctgggt ttgtcatata ccagcatcat catgtcctcc 300
 atagttatct taaagccttt ttg 323

<210> 23179
 <211> 359
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23179

 gatagaaacc tcatccagtc agctggggtg cagattgcta ttgactttgc caaagtgttc 60
 ctctagagaa gtttaacgat tctggaggag aacggacagt ggcaccaaga ggctctacgc 120
 aaggtgttgt ccttggagac agaggttgcc aaatagaggg ctactactcc cacagttaga 180
 gataggagcg ccctaaggta gctaaagcca tcatcacctt tgctgaagtt gtgaggtcga 240

accaccaact atcttccaag gttggcagtg tcttggccaa attgctatgc acaagggttg 300

acagtgatga actatccaca cactgcaagg ggttgcagga agaggganag gacttggct 359

<210> 23180

<211> 360

<212> DNA

<213> Glycine max

<400> 23180

agtttgcgt ctcggagatg tccgactatg ctcttgtgtg gtggaagtga ttatgcaagt 60

tgaagtggac gtttccattg ggaaatacaa tgataaggta ctttgtgatg ttgttcctat 120

ggaggccagt cacttacttt tggggagacc atggcaattt gataaaagag ccaatcatga 180

cggttacacc aacaagatct ctttcattac ttttgggtgt gcataaaaaa tgtacaatgt 240

aagtcggcta ggtatTTTTTg tgcgagctca accgacattt tgtttcgagc gaaactggca 300

tgttcccatt tatattggcc agtaaactcat tagccacact cggcataaaa atatttgcta 360

<210> 23181

<211> 386

<212> DNA

<213> Glycine max

<400> 23181

agcttgttta gaataacaag atcaaaatgc acaatttgct acgtgacatg ggaagagaaa 60

ttgttcgtca aagttctcta gaggaacctg agaagcgtag tcgattgtgg gttcaccaag 120

aagtgcctga tttgttggtta gaacatactg taagaacttt ctctacatat tattttgaaa 180

cttttgatca tatgtgtttt tatcatgatc acaaaactaa atttaaataca tcttgttctt 240

tttaagttat gctaattttt gtgggattca ttgttcacaa aaataaattt gaatgattct 300

gctcttttaa tgtgatgcaa tgttattaga cccggattta ttcagaccat gttgcttgca 360

aaccagtgtt cgactgtctg aactac 386

<210> 23182

<211> 417

<212> DNA

<213> Glycine max

<400> 23182

tgtaatgtcc tccgacaaac aatatatgag gatggttatg ttagaacacg aaggaaaaat 60
 taaaagccgt ttaacaatgt attttttttt taaaaaaata aaaaattaaa agacattttc 120
 ttccataccc attcctcatg aatgaataaa acattcaact ttgatgagga attccaagaa 180
 tatatcccaa cgcaaattaa aatagttctt aagtttatcc cttgaaataa tgtgaatata 240
 tctttcatca tgcaatgaaa aaattaaatg atgcctacaa tcttttttat cccttgcaac 300
 aaatatgtgg ttaataatat aaaaaagatt attatcttat ttattttcaa aattttgtcc 360
 agccaaaaaa gggtgtgtta atagaaacaa attaaaaata atataataat tatgtaa 417

<210> 23183
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 23183
 tctatttttg cccttgcaaa aattaatggt ctatctaatac atgacagttc accaggaaat 60
 caggttactc tttcatttga agagtatact gctctgacgg gcaaagctcg agatgcagag 120
 gaacaatcta agaagagagt tgcaagttct atgcttgaag ttgacgaaac aagtttgcg 180
 aacatggaca ttttgaaaag ggtagaagaa gctacagaag aagttaaaac tagcaagaag 240
 gcccttgaag aagctctaga aggggtagaa gctgcgaata gagacaaagt agcagttgaa 300
 gaggctctaa ggaattggcg atctgagggt caaaataagc gttcttctat acacaactct 360
 accaagttca aa 372

<210> 23184
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23184
 taactaggat aaaacttcaa aagagtagaa ttccatgtcc aaagaatggc tttcctagac 60
 aattcttata gtttgtgggc ttcattcttt aggctatggt gaaccttgaa aggtctttcc 120
 tatttagctg ccaattttcc ttcttgatga atcttttcag gcttcacctt gggttgtcta 180
 gacaaggccc cctccttga actgcctaag cattaatttt tagttaaaac gccaaagccat 240
 gtactgcttg caagcttga ctatgatgat tgtattttct cgcacttggt ctacgagggtc 300

tagatcttcc tgtaatgctt cattgttctc gacctctatg aaaatttgtc gccttagtga 360
tatttcccct acttctgttg ggaccatagc attcgtcccg tacatgagcc gaaatg 416

<210> 23185
<211> 379
<212> DNA
<213> Glycine max

<400> 23185

agctttgagc caaaatccca acttaccata aaccttgaac cagggtgaga atatcaatcc 60
ttgcccttag aagaaaacac aaaaagaagg aaaatcccca atcaaagaaa gggagaaagc 120
aaaaaaggaa agaaaattcc caattaaaag agggagaata agaaaagaaa agaagaaag 180
ataatcccca atcaaagatc ggaagagaac agaagatata tacagaaagg tctttggacc 240
agacaatatc tgaacaatac agaattgtca ccaagaaaac atggcaacca aaaacctgtg 300
cgtcagtggc ttgttcacct cgcgccaaac aaaaacagaa aagaataagc caaaaacact 360
caaagccaaa tttcccacc 379

<210> 23186
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23186

taagtggaca agttccacaa atttgtttta tttttcttat taaaaggat tctttntta 60
tttcactttc tcccatgctt ttaattaatt taaatttttt catatattac atctttatga 120
actgtattcc tatgaaatat gttaattggg ttattatttt attgcaatga ataattgttt 180
tcttgcaaat atgtgtgatt gaaaaatact antgggtcgaa tggatgcang tgagccgcat 240
ctgctccata aaatatattat taattaactg ttatatactt gagttttag ttggatttct 300
tggtacagtt tataggattt tgggtgggccc ttagtaatta gttaaaatag tatatctacg 360
tgattcaaat attanggggt aggaattacc ttaataagat gaaagggctt caaccatgac 420
ttgaacttca tatgatg 437

<210> 23187

<211> 396
 <212> DNA
 <213> Glycine max
 <400> 23187

agcttgtcta atactcatta gacttgatta aaacttaaag gagttaatta aaccttgaat 60
 gagagaaaaa gattagaaca acagaagaaa gacacgatgt ttatactgg ttcactctct 120
 atttctagag aagctcatcc agttatctaa tccacaacct gaattagatt ttcactatgc 180
 atcaagaatc cttacaagca atcacaacca atcaaccatt ccctggaaaa agagactaag 240
 gcaccaaca ctagggctct ttgtgaatat aagcctaaga gaaccctact cttagcccaa 300
 actagaaaac cctattctag catgttgtaa gcaattcatg gataaaaaac agaccgtgtg 360
 aaaaccatac tcaagaaaaa acaagtagga gagata 396

<210> 23188
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 23188

attaataatt aattcaaccc ttcttcttaa ttattccgag gccacttgat ccaacaagtg 60
 gtatcaaagc aagtatcttg tagaaagttt cacaactacc agattcatgg cctccttaaa 120
 ttttctgttt ctggaaggaa attccatcca taggccaccc atatttaatg gtgaggggta 180
 ccactattgg aaaatccgaa tacaatctt tattgaagcc atagatttaa acatttggga 240
 agcaatagaa ataggacctt acataccac catagtagat gtaagcacta gcaccacaac 300
 acaaaaacct agagataagt tgactgatga ggatagaaga agatcccata ttatcttaaa 360
 gaccaaaaca ttatcacttc taccctatga atagatgaat at 402

<210> 23189
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 23189

gcgcctgtta tacttgcgaa tctttctgaa cacctattcc aagactgtga tgtgtcgggt 60
 catgctataa gacttgacag gcatgtcatc aacatagacc tcgatatttc atcctatttt 120

ttgtttggag acccggcca tgaacctttg gtacgtggcc cctgtagtct tcaatccaaa 180
 gggcataacc atgttacaga aattgatgtc ttcaattatg aaggcaattc tctcctcgtc 240
 aggaggggtgc atcctgatct gggtataccc tgagtacgcg tctatgaaac ttaacaactg 300
 gaaacccgac g 311

<210> 23190
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 23190

ttagctctct ggccgagaat aagggttatc gagccatgct cgcttaaccg ctgtgctatt 60
 tcagctaagc caatgtgtct cggttatcca gagtacttgg tagtgtgtag tcgtgctaag 120
 cgcaacttgg acgcttaagc aggactatta tttttataag gcgtgctaag cgagccaatc 180
 ttcgtaagcg ccc 193

<210> 23191
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23191

agcttattac tttatntttt cggatcgtgt aattttaaac ttataattga tagcagaaaa 60
 taaaatttat aacttggttaa aatagaattg tttgatatat ttaattattc tatcagttga 120
 taaatataaa atgatataaa aatgtttata tactattgtc acataaaaaat gttnttttagg 180
 taactataat tttaaatatt tgattccttat tttttttgga aatatataat attttattaa 240
 aaataaaata tcagaaagga tattaataa gttaaaagac ctataactat taagaagaga 300
 tgataaataa agtggattaa agcaagaata aaaatgaaaa gaaagaataa tattactaat 360
 acatgctttt aacgagttat aagttaac 388

<210> 23192
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 23192

aactttttata atgaataagc ctaataacga atgccaacaa tatgatcacc aaatgtcacc 60

ttaaacacca caaccagtac aaaccttctt cattcaacat gtcatatgga ccaagaaaga 120

aaaacaaatt cgtttaacaa ttcagtcaca ctaaacatta tagaacaact aaaactaacc 180

taacatccct aaaaaaaaaac gtaaaccaca tctatgaatn gactaaccba aatcccataa 240

attacaactc atacacggga tcaaacacc taaacaacaa atatagcata accctgtcat 300

gtagataaca accaa 315

<210> 23193

<211> 360

<212> DNA

<213> Glycine max

<400> 23193

agcttttacac agttttatfff tctcaaactt gagttttgga agaccaatta ctaagtcttt 60

cctaattaga tgatttaaaf gattcatatt aatgtgtgca gtcctacaat accacaacca 120

tgaatcatct atcttactca ccaagcaact tagctcatga aaaactgcat gctcaacatt 180

cagcatataa atgttaccta ttctcttacc aatgtggata actttatcgg atatggcttc 240

acttataaga catcaatcta tgttgaattc aatcttgaaa cctttatcac aaagttgact 300

aataactaga acggtatgct ttaatccatt cataattaac acatatttca tctaaggttt 360

<210> 23194

<211> 378

<212> DNA

<213> Glycine max

<400> 23194

actcagcttt atacacacct attaatgtgc cactcaaaac tttctatgtc ttgttttaaf 60

aattgtttcg atagacattt ttatgtgaag aaaataacaa agtaaaataa attgagtttc 120

tctcgtaaaf aaaaatcaac ttatgcactc aactttttata gaaattctct taactggata 180

attgaaatgt ataagttaaf tttaacttat ggaaaaaact aaactcattt tatcataact 240

tcttttttta taaataactca tgggaaaaaf attccaattg gataaaaaaa agatgaaata 300

gcatttgttt aatagcaaca tgtgggggga catagtgaca tgaaattttt aaagctagtt 360

acctccagat aataaaga

378

<210> 23195

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23195

agctttcaca acaaatttct aaatatgttt ttgaacaaaa tgaagtacgt aactaattac 60

cactaatata tactgtgact acttagaagg aagggatagg tcatgattag tccaacctaa 120

tctgcctaatt taaactaatt acacaaagca aagcctaaat tcgtaacca attattcaag 180

tgcagagggt ctgacttcca atattaattt gaccctcaaa atggaaggat tggcccaagc 240

ttattgatgc aatcctccca aggaggggac ccatcaccat agccatgact aggagactcc 300

aggaagattg ggctagggat gcaagagaag gccctaaggt tctcatgagc cttangatag 360

atnttggggc catggggctaa gtatgaaccc acttatcttt 400

<210> 23196

<211> 193

<212> DNA

<213> Glycine max

<400> 23196

catcaaattct tacagagaat gggctgttaa acttcaattt aaaagcctta acacatctca 60

agatttgcac actaccaata tagtgctgtt gatagcacct caactgtgca cattctctct 120

tttcatggaa atttttggca tataccaatt atttttccat gacagagtga acttttaaac 180

tggattaatc tat 193

<210> 23197

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23197

gaaacttctt gcttttattc cttgaccaca aagtgggtacc tggagatatg tcgcgggggt 60

caggaaacct tggggacgtc aagtgggggt ctattgccca aaaccaagct tgaccaatcc 120

cgaccaacc cgggcatagt cggtcagtga gaacctgtga tgtacctaaa caagcgagct 180
 cctggcagtc aacagataaa aggaacaaag accacaaagc anggaggctt gtgggtggctg 240
 gccagccatg aacttgattg atgtgtgaga tatggcctct ggtaatcgat taccaanggt 300
 gggtaatcga ttacaaggct taaaaatgaa gacaggaggc taagatagtc tctg 354

<210> 23198
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23198

gcgtagccca ccattcttta atagtaaatt accgataatg ggtctaccat cagcattatc 60
 gtctcccttt ttgcacatgt tctgtagttg catcctatcc ggaaccatat caaaataata 120
 ctgatactgc ctaacgaagg caaccattag gtccttccaa gtatggactc gggaagggttc 180
 caagtttagt taccaggtaa caactacccc agtaagactt tcttggaaga aatgtattaa 240
 cagctcctca tctttgcgta tgcccttata ttctgacaat acatcttttag atgggttcttt 300
 gggcaagtag tccccttgta cttgtcaaag tccaacacct ttgacttggg aggggtgatg 360
 atattgggta ctaagaacaa ctcttctatg ttaggaaagg cataatcttt acctcc 416

<210> 23199
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 23199

agcttttggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattgag aatgcctcta acagcacctt tgtcaatgag tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcata ttctttggag 180
 gatagacatg tggaggagta actgggttct tgagggtgtcc ataggttagca gatgtccttt 240
 gatctgctgc cctttattag aacttcacac ttctcatttg tctaagca ttctgacctt 300
 gtgaagttta cattgaatcc ttcacacac aactgactga tgctgatcaa tttgcagtca 360
 gt 362

<210> 23200

<211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23200

actgtgtcgc atcgtaagtg attctgtaat cgaaccatta actantcacc ccncctttcn 60
 cnnncagaga ttatgataca tacactagca tncngngaca ctatanaaca ctcaagcttc 120
 ttattcaaag ctcatcttgg aggtgaagct tctttttcca tggcttattc cctaattggat 180
 ggggcctcct ctcacctact atcctttggc ttccgctgca atttcctggg ggaaaatcac 240
 cattaagga ctcccttgaa gctcaaagat ccaacctcct aaaagcccca caagcaagcc 300
 ttcattcagt ggtaatcaga gcacaagagc ttcaagtaag tgctccttaa acctccatta 360
 attatttgcg gtacgttccc ttccattggg gttacttcat tttctccatg tatctcctca 420
 catgtcttgg gataaatggg tgtaacatga ttctttatag tttccaccga taatcttgct 480
 ataaaagcta gattttatct tctattgctc aaatatcttg ttcttgtcta taaccatgaa 540
 ttgggtcgac ttaaggtcct ttgaat 566

<210> 23201
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23201

agcttttatgc ggcataatct tagttgtttc ttcttctctt atcttttaag atagtccata 60
 caatcaggtc tctccaatct caagacatgt tattctatta agaaattata agaactttga 120
 atttttaaaa ctattcatat agacattagc aactcacatt gttttaaata gaaattatgt 180
 gcgtgttttg atgaacatta atataattga ttntgaatga aattaatttt ataaaattga 240
 tttaaagtaa tgtgatttat atttgaatgt ttttaaagta tgtaggagt aaaacttaat 300
 attaaaattg tgtntttata catatatnta tgacaaatac taattacgtt gnccatgatc 360
 tttttatggt cacctatggt 380

<210> 23202
 <211> 300
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23202

atgacacagn cttatggtct ttcttggtt atatgctgca tacatcgggc tcttggcata 60
aatggagaaa gtggatccca gcttgtcttc actcagcaac catttctatc cttattaatg 120
gcagccctac aaaagagttc acccatcta gaagcttgag gcaaggagac cccctaacc 180
ctttactctt taacatagtt gggaaagcat ttcaggccta atgaaggaag cagtccggaa 240
gaatctctat accactacag gttgcgatga aatatgagcc cacaatattc tgccaaatgc 300

<210> 23203

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23203

tttgcattgca agcttgctct aaatttacat tgatgtttgt attgatggga ggaggttaca 60
tgccattttt gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc 120
ttcgcaggaa tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc 180
gaaggaacta gttccgcccc ggagtatgac agtcaccgct ttatgagcgt tgtacaccag 240
cagcgcttcg aagccatcaa gggatggctg tttctccggg agcgacgcgt ccagctcang 300
gacgacgagt atacntgatt tcangaggaa atanggccgc gccggtgggc accactggtt 360
actcctat 368

<210> 23204

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23204

cttgaataan aagtcaagag atgtaactct tcttatgatt ntcagggtttt tctcaagggt 60
ataactcttc caatgggtttt cttgaccaga cataaacagt ctataaaagc aagaccttga 120
cttgcattcg aaataacttt tgaacatctt tgtgaacttc ttcttcttct tccttttgcca 180
aaagctttct aagttttctg ttttccaaac ctttgtcttt cacagaaaac aaacgtgtgc 240

tatatctttt cattctcttc tccctttgcc aaaaataatt cgacaaggac tagcctccta 300
aattctttnt gtgtctctct tctccctttt caaaagagc aaaggactaa ccgcctgaat 360
tcttttgtgt ctccttttct ccttttcaaa gaattca 397

<210> 23205
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23205

agctcggccc cggtatcctc tgagtctcct gcggcatttt actttgcttt tcattnatgg 60
gactggagac cttgttcaca cttacaaata tggaaatgac agcttcatgc agcatacaca 120
aggatcttct agtcgcacta aagatgctgt agagattaac cgactgcggg aggagctgcg 180
tcaatcaaag gaggagatat gtgtttttca atcagttgtc cttcaattcc taccttctaa 240
agcgcgaaac attattcatc atcatcatca tcatcatcaa caacaacaac aacaacaaca 300
acaacaacaa caacttcacc ggtagcaaca agaccaacaa caacaccaac actagcaaga 360
ccatgtagat gacccgcang cagatgacca acacgaacat gatgaccaac ag 412

<210> 23206
<211> 372
<212> DNA
<213> Glycine max

<400> 23206

tgttcttcta caactcgagg atgacttccc tgtctgttcg aaccttctcc actcgaaatc 60
gcagttcgtg aaaaaatgag gttaagcttc ttctaacctt cttttatgtt aagcttcgaa 120
gaaaccaat caataagggt cgtgtgaggt cacgaagctt gtattactac tgatgtatgc 180
taatgttggg ggcacggaag atgcaagtca cgaatgagtt attgatgaac aatagctact 240
gggctaaaag agttaacacg gttgtgcttt ataatacatat cttctaattg ttaaggataa 300
ctgcgtaagt gcacccatc tagtggtgtg aatcgtaaaa atgtatgcct tggaaacgac 360
atgtagata tt 372

<210> 23207

<211> 374
 <212> DNA
 <213> Glycine max

<400> 23207

tttagcttgc attattttac ttaggttggtg ttcagcatta caattaacaa aacaaaaatc 60
 attattaact gaaaatgaat gaccaataac agacaaattc cagaggccaa tatcttcaag 120
 acaatttgga agctgaacat cccccaagg gctgcggttt tctcttgagg acttatcaaa 180
 gatagattat ccactagata taacctcctt aaaagaaatg tgcccattca ggacaatgaa 240
 tgccctctct gtgggtatta ccaagaggag gctggccact tgtctttcaa ttgcaaattg 300
 accagaggac tatggtggga atccattatg tggaaccaga tggtaggacc actttcagct 360
 tcttcagcaa ctca 374

<210> 23208
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23208

tgtcatagaa tgaacaagta gnnagctagt tgtgggtttg ttncctaacc ctcttgattt 60
 acttctgctt aattctgccc gtctgtcca tatgcaagag aatcatgcct ctattggaat 120
 taaattttcc aacactctaa gttaattgaa ggtctattaa cagggtttta gattgatctt 180
 aactcccata cctcaaaaa ttcatcatag ctgatatact gtggacttta gaatgtcata 240
 ttgggagtga ggttttgatg cacatcctaa ttaataacta gataatttag atgttgtaga 300
 tttccacagt tcacagttct aagtatagac aacacgttta antaaattag ttctaaata 359

<210> 23209
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23209

agcttgaggt gagtntattc gttatctacg aagaatcaaa ggcatatagg ctttatgatc 60
 ctatctcata aaggattata gtaagcagag atgtgggttt tgaagaaaat gaagaatgag 120

aatgggacaa acaacatgag tcaactgata tatgcgagct agaatgggaa gatgatgaaa 180
 aggttggttc caaagaatct cctatagaag aagatgttgt tgatgcacaa ccggaggagt 240
 ctcttgtcac taatcaagaa acttctgaag ttcttgtcaa agggaggagt agaaagcaac 300
 cagcttggct aagagactat gtgttcggtg aagggttgtc agaagaagag gctgcatttt 360
 acttaacatt ctttgccttg gatact 386

<210> 23210
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23210

gagatattct gacatgttat taggatctag cttaccaagc atctacttaa ccctggcatt 60
 tatcaagaaa ttttaaggctt attatattta tactgaagac agttgcaagt ctgtactttg 120
 ttcacatttc aaactcagta gatcttcact tcaaaggact ttggtttagag atataaaaact 180
 atntttgtac atttcattta tccagaaatt tagggtaata ttatactaaa gacagtcgca 240
 agccagtagg ttcataatttc aaactcagca gatcgtaatt ttttagaagt tcacactgag 300
 aaaacagaat gaacaaggcc gcctaactta gggatatttt nctcaagata aaatccatca 360
 catctt 366

<210> 23211
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23211

agcttgtatt gtcactctta tcttgactag ttaaaacttt ttgaataaaa tgagtttata 60
 ccatgttttg actccgaagt cagtgtgaat caaatcactc ctgcatttta tctctagcat 120
 gcattcatta ttttttacct actcctcacg tttggttttt taggaaaaac accataacta 180
 aacgcgcccc aaggcatccc tatcgcacca gatccaaatc tagaacgatg ggtgatcaag 240
 cggagacaca ggaatagatg aaagccgaca tgtcaacttt gaaagaacaa aggggatgtc 300
 gagttctacc acgcaactct tctagctacc acgcaccatc ctccccana tgcggtagga 360

cgaggaagga gcacactggg gcacaacagc aacccccca

398

<210> 23212
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23212

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atggcaccgc ctcttacctc ttctcctttg tcttccgctg catcttcatg gtggaaaatc 120
accattaaag gacctcattg aagcccaaag atccaacctt cataaaagct tcgcaagcaa 180
gcttccatta agtggtaatc agagcacaag aacttcaagt aggtgctcct taaacctcca 240
ttaattnttt ttctttacct tctcttccaa ttgtggttct tcatttttct ccatgtgtct 300
cctcacatgt cttggtctaa atgttggtat catgattctt tagaagttcc atcgattaaa 360
c 361

<210> 23213
<211> 387
<212> DNA
<213> Glycine max

<400> 23213

agcttttctaa gttttctggt tttcaaacat tgttctttca cagaaaacaa aagtgtgcta 60
tatcttttca ttctcttctc cctttgccaa aaagaattcg acaaggacta accgcctgaa 120
ttctttttgt gtctctcttc tcccttttcc aaaagaacaa aggactgacc gctgaattc 180
ttttgtgtct ccttctccc ttttcaaaga attcaaaacg atgcagtctg agaattcttt 240
tgattcttcc ctttccctta aataaaaagat ttcaatggag taaccgctg agatatcttt 300
tgtttccct tcacaaagat tcaaaggact aaccgctga gaactttatc ttaacacatt 360
ggaggataca tcctttgtgg tacaagt 387

<210> 23214
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23214

tgggataaga aactaagaaa ctatgaaaaa ataagacttt tataatatac taaaaatatac 60

attaatgatt aaatatggtg aaataaagaa aaaaattaaa ataaagtgag ataaaatatt 120

taatttgata aaatttatta acttctaaaa tgatatacag atacacgtgt atttaggaat 180

gaaaacataa tatacatggt aattcataat ataagaaaaa gttataatat tttaaaatta 240

gcataataaa aatacagacg tacacgtggt tgtatttctg ctagntatat ataaattaaa 300

ttattaaata tanaacacat taatttttaa tcaacatact ctattagaat aaatgatcta 360

tactgggttt caatggtaat ttggtgggtt tgtttaaatt tgttatattt tctaa 415

<210> 23215

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23215

agcttgcatac tcggacgttt cacatttact acaagtgaaa atgactgccg aatccttttc 60

aaattggcgc gtgttaaata ctttggctct tgtttgttgt tccttgcata atgatgcaca 120

agtcctctac atatctaata cttgtaaaat atacaagtag atctaaacat gcaaatcaat 180

tcaaatgaca tatttagatc aaacaacgga aattaaatat tacgagcgta cctccaacca 240

ttgcaaatcg aacgctaagc ggtgcataca tgaacctaaa gacagttntg ttcttccaga 300

cccttactcg ctctgaatag atgatgtatt tttttctgaa tagagaagtc agtttgggtga 360

tacaaaactg agaacacccc atcctatnta tagagt 396

<210> 23216

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23216

cgccaaatgc tctataggct gatgagttgg tccatcttct ctaagtccaa tcgtatcatg 60

agtcatacaca taaataactt cagcttcaca cagtgcataa atccttatgg cagctctcat 120

gtagtcagtg aaaacaaagg gcatntaaat tttgctgaaa cagatttctt gtagcatatg 180

cagggccttc tggagtgtat gtctgaatgt tgaaatttaa ttaaaaggg agtcaataat 240
ccagaaacaa atgatggaag tcaagtttta tttatcttta aagttgaagg ctatacatgc 300
atgaagcana aagatggatg atgagtgaag atgcaatgta cttaatatga aatttactgt 360
attaggaaag t 371

<210> 23217
<211> 384
<212> DNA
<213> Glycine max

<400> 23217

agcttatgag aaatccctgt tttgtggaga gataagtcct tgtttggtg atttaaagca 60
tttgaatcac ttgaacttga gcggcaatta tttccttgga gcaggtatgt caattccttc 120
tttccttggg acaatgactt ccttgactca cctcgacctc tctcttactg gattcatggg 180
gaagattcca tctcagattg ggaatctctc caatttggtc tatcttgacc tcggagggtta 240
ttctgtcgag cctatgttag ctgacaatgt agaatgggta tcaagtatgt ggaagcttga 300
atatcttcat ttgagttatg caaacctatc caaagcatta cattggctac acactctcca 360
atctcttcct tctttgacct acct 384

<210> 23218
<211> 367
<212> DNA
<213> Glycine max

<400> 23218

actcaagctg tagatttgca agatcatctt cgctgacaac tccttgatta ttattgccat 60
cgatatgaag aagtgacaat ttagagagtg atccaagact ttcaaagga tttccactga 120
atttattcat agagagatcg agatatgtta aatctgtctc ccttgagggtg cggagacttc 180
ccaaaaaagt cggaattggt ccttcagttg aagatatgac aaaacaagtt ctacgagaga 240
agtcaaattt cccagagaag ttggaatggg tccttcaagt tgattgtatg acaaaagaag 300
ttcaacatga gaagtcaa atctcgcaaaga agttggaatg ttccttcagt tggttacctg 360
ataaatc 367

<210> 23219

<211> 384
 <212> DNA
 <213> Glycine max

<400> 23219

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 gcaaaacagt tctccacatc caaaaatcac gtataaaccc accatcccct gttgcccacc 120
 tcaactgagc tcacgtactt ccacgtagct cttatcctcg ttcctctcta cgccgggtcc 180
 ccatcaatcc tcccaagctt ccacaacatc caagtaattc aacatccaag catcatgaac 240
 taacatagcc aagaaaacag ggcagaggca gaaaactctg cccaaaacac aaaccaacat 300
 cacagctttt cacactcaaa taccacagta atattctcct cgttccaatt cattaaccgt 360
 tggatcgact cgaaaattta ctgg 384

<210> 23220
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23220

tcttatccaa ggcaattctt ggtggagaag cttcttcttc cttggcttat tccctaattg 60
 atgggtgctc cctcccctc ttctcctttg ccttccgctg tatctcaatg gtgaaaaatc 120
 accattgaag gacctcattg aagctcaaag atccagcctc cataaaagct ccacaagcaa 180
 gcttccatca catatatact catatgtagg ttccctgacc ctaactatgg tgttaaaatg 240
 gtaaatTTTA taataaactc cccacaccta tcgtgagcta cctgcggtat tctcgtcat 300
 gtcacttgaa gattcctttc tgtccttgct cgttgattcc actcaagcct ctaccatgcc 360
 aaaacgaagg agacttagta tggatttttag aaagctagtg acagtgtctt gggtcnaca 420
 cccacatcac tacat 435

<210> 23221
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23221

agctttggta tatagtgatg aggtacaagc cctaaaggca gagcttgaaa gagcccgggt 60

agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggacgtcagt atggccacag ctgaagcctt ggaacgagaa accaagaagg ctcgaaagga 180
agaacacgac caaaacaagt tttgaggggc tttatagggc agcaatagtg agctcaagct 240
ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tctggaagga ggagctaaag 300
gtttgcctta ggtcgaaaag aaatttgtcc caacagttaa gcgagactga agggaatatg 360
tgggccatca tcaataagtg caaaga 386

<210> 23222
<211> 332
<212> DNA
<213> Glycine max

<400> 23222

tatccttatg gctgcctcc ggacatcacc ccttgttgtc ctctcgaaga ttttaagccaa 60
gcccctactt tcgaggagca acttccacct ttatgaagac tatcccgggc aagacgatgg 120
ggaaggagat acccatcttg gccccctgct ccacctcaaa gatccgtccc cacatgaact 180
atcccaatcg aacatagtcc gccatatccc agcctcacc acaccgtaa aagaatctgt 240
tccttttgcg gaagataagg gaaagattaa ggcgcttgaa aagagggttaa gagcagtcga 300
gggccttggc aataccatt ctcggtttg gc 332

<210> 23223
<211> 377
<212> DNA
<213> Glycine max

<400> 23223

agcttgaaat cagatattgt gaaggtagtt tggactatga ttcacagctt tgcattgtcta 60
gggtttctag agagaaaaag gtccaagtcc cagagagttt tgagagattt ttccgtgtga 120
agatctatag agaccagagc ttgaagcaag agccagtttg agagcttgag atgagtttgt 180
gagtgattgt gagattctac acgtgaaaga gacatcctca ccacttggat ttttgcaatc 240
tttcatcttg gtcttctttt agtagtaaga aggcttcctg gtatggaaag ctatattctc 300
tgttggatcc tcctgtagg tacctgatgt aaaatatttc tatctattta gcgatggat 360
gtgtggtctc tatgcta 377

<210> 23224
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 23224

agctttggtt ttttggaggc attattggct tctcttcctt taattttatt ttaatagcca 60
 catgctgata ttcacgtgtt gtgcatttag atttgtgctg atgtatgaaa gacaaatctt 120
 tctctctttc actttaaaaa gacatgcagt gggtcacaca tggggatggt gaaagataat 180
 gtgaggcaat atacattgcc catatttact ctgtagtcta tatatatact tgatcctaag 240
 gaaggtgggtg atattaattt ttggaataga atcttctgat tattgaatat ttatttggac 300
 tgtttctatt tcatagcatt gatgcaaggc atttttagagg cttctataga ctttgaccag 360
 caaacatagt gc 372

<210> 23225
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 23225

ttgcatacat tccatacaga tgacacacac aatctcagtt tctgtgattt gcttttgagg 60
 gcccatgtta tttcttttag gaaaattatt ctgatttgga agcagtgagg cacagctata 120
 tgactttgtt tcaaattgcc taggggtgca ttgcttcaca attccagtaa atgtaattct 180
 tttttggatt accgattata aagtactgc tatcattcta ttacataga aatgacttgg 240
 tatcatgctc tattata 257

<210> 23226
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 23226

agcttgggtt gatgtactta cccgttgaag actgatgata accaagaacg atccatgaat 60
 cttgaataac ggtcgagaat cttcgcgaga ttactcacgg aaacgttact gaagcgcctg 120
 ggcttggatt gtattctgga gaaatctatc tcagcaaatt ctagagaggg agaagagtct 180

aaggggctga accctttcct tcttcacttc ttgcgctata tatatcaaaa tatgggagaa 240
gctggacgcc cagctcgacc aggcgagcgt gggttgctatc tccataacga acggggccatg 300
tgggcctgga tgctatttac accacacttt ttact 335

<210> 23227
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23227

tgaagtcatg tggatgctac gcttncccat atttcttcta tttcatatcg agtanccgtt 60
atgcaagatt tatgctaaac ccctgttata attagttatg cataactgaa acattgttaa 120
atctctcttg cactaactag agttacgaaa ctcttgagta tccctagatg tgtaagccgc 180
gtgctttgca gaacttgtaa cactgatccg agactagtgt aaatcacacg agatgtgatt 240
gctgcaggaa taccatcttc ctgttttc 268

<210> 23228
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23228

agcttatgct gcaaacattt ataatagacc tgctcagctg caaatcaac atcagcagaa 60
taattatgac atttcaagca acagatacaa tccaggttgg aggaatcatc caaatctgag 120
atggacaagt cctccacaac aacaacaacc tatccctcat ttccagaatg ctgctagtct 180
aagcaagcca tatgttcctc ctctattaca gtagcagcaa cagcagcaat cacaacaaag 240
acaacaagaa actgaggctc ctctcaacc ttccttagaa gagttagtga ggcaaatggc 300
catccagaat atgcaatntc agcaagagac aagagccttc attcanagtc tgac 354

<210> 23229
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23229

tttagctttt tcttaagctt tttctacaac cttttctccc cctttggcaa catcaaaaag 60

ccaaagaact cggaaatcaa cacagatata acaatggagt agaaagatat agatatcaga 120

gtataaaaca caataagcca aactcacaaa gaagaagtaa tcaaaccaga atccaaataa 180

ctgaaaatgt caacaaccac aaaacatcca agactgaaat ttanaaaacc acaagataaa 240

taagcaaagt acttagcaaa atagtgtaaa ttctaagaaa ctaaaagcca aaatacacgg 300

cttataaaag acatataatc agaaactaaa atctaagaag acggaggtgg tgggtgaaga 360

tcgaaactct gacgaat 377

<210> 23230

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23230

ctggttctta atttttctaa gttctttaac aagctttggt caatatactt gcccttcatt 60

taactgtctc tgggcttggt ggccacgctc aacaaagtac tttcgacacc tactgtacgt 120

tgatttgacc aaagctgtta tgggaatggt gcgacaatcc ttcanaacct tattgatata 180

ttctgagagg ttgnngtca tgtggccata tcgacaccct tctctatcat aagccatcgt 240

ccatttttcc tttgaaatgc gatcaatcca tgttactatg gctggactta attcacgaaa 300

tttttctaaa ttttatcaca atgtgcttgc aggagtgaga ctgcataaaa ttagtatgaa 360

tacaatttca agttatatga agttaaataa cgtaccatca aaatgaaa 408

<210> 23231

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23231

agcttctgaa natcatagca tgtttgaaaa tcaagtagaa aatgactttt gaggagaatt 60

tttttttttt tttgcaaag atcaaaatca ttgctgttgt ttttgtgact tttgaggtaa 120

aaaaactttt gcaaaatgat taaaatcatt atttttgttt ttattattcg atggatctgt 180

atttggagtg cacatcacia taagttgaaa actgtaaatc aaatatgcac tcaaacatga 240
tcttaataat taagaaattc tagtttaatt gattaaacag aatgttgatt aagtagaatg 300
tgtaagatct tgtttaattc ttgcgggaaa aaaaaatata acaaggttgt agatctatat 360
ctttagctct ccatttgggtg caacagtaat ggttatggag 400

<210> 23232
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23232

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aaaataatta acaaatatgg tttttgaata taaaaaacac acgctatttc aacaaattta 120
atataaatat ttatttttac gataaatata tttaaaaatt aattatgaaa agaatacaagt 180
ccatcttaca catattatct caaaattgaa taattatata ttcattttta acatatttac 240
attctttttt aatttatata tttcatataa gtattccatg actattactg cttagtaaaa 300
aattaaatta taataaattt cattaggtta agtattttta atgataacat aggtttaatt 360
acaattttta ataataatct tctttgatnt aatataatat atatatatat cattgatatt 420
ttgacatg 428

<210> 23233
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23233

agcttgagat gttgngatat gacaagggcc ttcattgattg accctgacct tcttgattga 60
tcacgacat ggtcaatgta tcacggctat tatcaagtga aaatagtatc aaatcttcatt 120
gaaagtgcatt tttccaactt ttccacttga ttgagcaatt gtatttctac aagataaaag 180
ctaattgtcca aaccactaca aaaaaaggat atttctaacg aaatattttc cacaaaattt 240
attatgtcaa gaataattga atttttgatg gaattttcaa aggattatat tccatgggaa 300
atttttgaat ttgtgacaga atttaccac caacaaattt ttcattcaaaa agtattttac 360

cgaagaaata cagatccgac agaatttacc accgag

396

<210> 23234
<211> 415
<212> DNA
<213> Glycine max

<400> 23234

aactaagctc gaggattatg ggggtacccat cacatgtggt actatgtggt tgtcggggcga 60
tggtgcacaa caagttttcc acatccacaa agcgcacata aaccaccat ccccttgtgc 120
ccaccttcaa ctgaactcac gtactccac gtaaccata tcctcgtttc tctcaacacc 180
gggtcccat caatccttcc aagctttccc aacatccaaa taatacaaca ttcaaacagc 240
acaaattatc acagccaagc aaaacaaggg aaaggcagaa aacttttgcc aaaacaccaa 300
ccaaaatcac agcttttctc acttaaagac ccagtaaca attccttcgt tccaattcgt 360
taaccggtgg atcgactcga aaatttactg gaagtctcta gtacttaagc ataca 415

<210> 23235
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23235

agcttgctct aaatntactt tgatgtttgn gtttatggga ggaggttata tgccattttt 60
gctttaagag taatgtccca ctaaaactaa ctttccaaat gtttgcttc gcaggaatgg 120
ccccgaggaa gattgcctca aagaggcca ggaaggacaa ggcggccgaa ggaactagtt 180
ccgccccgga gtacgacagt caccgcttta ggagcgttgt acaccagcag cgctttgaag 240
ccatcaaggg atggtcgttt ctccgggagc gacgcgtcca gctcagggac gacgagtata 300
ctaatttcca ggaggaaata aggcgccggc ggtgggcacc actggttact cccatggcca 360
agtttgatcc agaaataatc cttgagtttt a 391

<210> 23236
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23236

ttgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacatgcaca 60

ngggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgac tgccttgga 240

gaaaggatga cagacgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300

gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattgggt ccctttcaac ctttgagcta ggactctcg ataggact 408

<210> 23237

<211> 394

<212> DNA

<213> Glycine max

<400> 23237

agcttagata cgtcacttat acacgtatca attaagtatt taaagagtgt tggcattaga 60

tgcatgaagc aaattgaatt atcgggtgctt catagattta gatacttcac cgatatacat 120

atctgtgaag tatccaagag tatcagtatc aaacatgaat atgtgaaaca aattgaagta 180

tcaatgcttc ataagtcctt taccttggct tgtgaaatga tggcttaagc tcttgggtta 240

ggcctcagat ggaattctca atttgcccat ttcaccaagt gcccatcaat tataaagctt 300

ggacctttcg gttgctccaa ggatattgga ttcaacatcc ttaactctct attaaagctt 360

tgaatggagc aatggatatt agtagtacta gtat 394

<210> 23238

<211> 352

<212> DNA

<213> Glycine max

<400> 23238

ctatcttgag gggatgtcct attcattgac tttaactatc tgttcgttca acttctaacc 60

catccaacat ttggtatccc aacttgggtg cctttcatca tgttactatc aatgttgaaa 120

acattcagta gtgttcttga tttgagggtc ccaatcaagt gattgtaagc aatggtaag 180

gtctggaaac aaatatattg gttcatcttc cttataatca ttctactaat ttagttgtca 240

atagaatatt gcatgttcca accatttcta aacatcttcc aagtgttaagt caatttataa 300
gggataattc aatctccctt tgaattcacc ctaatgtgtg ccttggtaaa tc 352

<210> 23239
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23239

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gaaagctttt ttcttttttt gtcttgaagc gattgcatga gctgggtttt cttccatttg 120
gtttgttatt tttgtatgcy ttactccaaa agtttgagac taggctatat tactttgttt 180
ctgggtatat ggaataaaaa tttgagattt ttatgctatt ttagatagag tgcaacgttg 240
aagtttgaac ttttctgttt tagtcttttt ctccttgggt tagttcttaa tttaaacata 300
anatgtgtat tataatttat aacattctgg ttcttaaata gatgtattga attcctctgt 360
ttctcat 367

<210> 23240
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23240

attgacttat tgcattctat atttaaatat caaacataat ttcttacttc ccaacatggt 60
ttcaaacaca tgtttaataa ttaaagcca ttaattgaaa attaattata gctggacaat 120
gtctttttta aaataattat tgatacaaat ttaattaaaa aagaaacaag atatatcact 180
atcttgctgt actagttgtc tttttccttt cctttccttt aaccacttgg ccaatatgag 240
acaccaaaca aagataagct gtggcgctca actgataaga catttcaagt ctccattttt 300
caagtaaggt tttaagaaca atgggaagac gttgattttg gtcagcagaa atatatccta 360
tnactctatt cctac 375

<210> 23241
<211> 305
<212> DNA

<213> Glycine max

<400> 23241

agcttataac ctttcttta gcttttttta agcttatttc agtaagtttc aagttcgtgg 60
ttaagctttt gatataactt ctaatgtgaa tgtgatatgc ttaggcgcct aattaagcta 120
tttactcaaa tgcaccttac atgtaattgt acacatatta tttgcctata tttgatgttt 180
gggtgtttttt taaatattgt tggttccttag tgagcttgaa acattaacgt gcggagtaaa 240
aattgcattt ttgtttaatg tttcaacaaa accttttttt tttcattttt ttggggggggg 300
ggggg 305

<210> 23242

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23242

tttcttagtc gtctgtaaag atgattaggt gttanttagc ggcatgcct actgtagact 60
gtgtgtctcc catgtttaag ttgtatgtaa cttgtatttt cttcacagat ggggcatgcg 120
tgatgacct taacactgta accgctgaga ttcccatatg ctggaaagtc attaattgta 180
caaaaaagca ttgcacgcat ttcaaagtc tccttgcgaa acgcatcata cactacaacc 240
ccctcgctcc acaactttct caaatcttca atcaacggac ttagataaac atcaatgtca 300
tttcttggtt gtcttgggcc cgatatcatc atagacaaca tcatgtattt tcgcttcatt 360
cacaaccaat gagacaaatt gtaaattact agtagaactg gccatgaact gtgttgagt 420
cttaaggagc catatggatt cat 443

<210> 23243

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23243

agcttttatt ctagagcatc ccgaaggaga aagctcacia gtcacaagtg tcttgtaaga 60
ccaaacctgg aatttgcttc gagggaggga gaccaagaaa aaaaaatgtt tacatgtata 120

taacatatata aaaaagggtt aatatatgat atatatttaa tattttttta taaaaatata 180
 tataacaata tcaagtaaaa aacattatta tctaactaat tatatcattt atataaatat 240
 aagaaacaaa tataatattt nttcttgtaa ttataaaaaa agacaaactt gtattttaa 300
 atattaatta tacatttata taagagacaa atagatacaa ttnttatatc cttaatgtat 360
 tgggtgaagtt actaatgaga taatc 385

<210> 23244
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 23244

aaaccagctt actcatattc aaaatgattg atgtttatat attgtggcat atatcgcatg 60
 tgatatgtgc acactttccc cccatatata acacatatca gatcgatgtt aataagcatt 120
 tgctaaaata taattctcta aattgtagga ggttggttta atttcacctt caaaatagt 180
 catataaata aaagatattt attattatta ttattgaatt aaaatcaaac ttaaattgta 240
 atacgatatc aaaatttatt atattgatga ttgttaggcc atcaaagcac tcaatatcgc 300
 tgattcatta ttttaattatc tacatatgca cgtctaataa aatattgtta gaaaatacat 360
 tctctagcat gagagag 377

<210> 23245
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23245

agctatgacc attcgaattt ctcaagagtt gccgttggtc aatttcgagc gtgtagatga 60
 gttatgtccc cgaatcggac atctgtgtga aaagttatga ccattcgatt ttctcgagag 120
 cttccgttgt tcaatttcga gcgtctcgat atattatgac cccgaatcgg acatctgtgt 180
 gaaaacgtat gaccattcga ttttctcgag agcttccgtt gttcaatntc gagcgtctag 240
 atgagttatg tccccgaatc gaacattcga gtgaaaactt atgaccattc gaatttctcg 300
 agagcttccg ttgttcaatt tcgagcgtct cgatatatta tgttcccgaa tcgggcattc 360
 gagtgaatg tt 372

<210> 23246
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 23246

ggtttctctga acataggaaa tcaaagcttc aacaatgggg agatggacca tttcaagtgc 60
 ttgaaagaat caatgacaat gcttaciaag ttgagctgcc cggcgagtat aatgttagtt 120
 ccaccttcaa tgtctttgat ttacctctct ctgatggcag atgtagaatc cgatgtgaag 180
 acaaatcctt ttcaagatgg agagattgat gagga 215

<210> 23247
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 23247

agcttggttca atggtaatag aggcaattag aaggtaagac atgcatgtgt actttgtgag 60
 aagttaacca actaattcat ttgttgtgac tttcttaaaa aaaataataa ttgtgaagaa 120
 cggcttctct gccaacacaa ccaactgtag tcaattaagg tgtgttgttt ggagaataag 180
 aggataaaag aagttgaaat tcacaaagtg agattcacat ttctacactt ttagttttaa 240
 attttatcct accttaaatt ttttcatttc ttttcactta caaaccttta aatttgagaa 300
 aat 303

<210> 23248
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23248

ttctataatc aacgcacatt ctccatcctg tgtctgttct ggtatgaatn agaccatttc 60
 gaacatttct tattactgcc attcctcctt tctttggaac aacttgaaca agactgaccc 120
 atgagttgtc tgagattgga tagataaagc ctgcctctaa taacttgagc acttcttttc 180
 ttacttcttc cttcattata ggattcaatc ttctctaggt tgtcgcacag gcttataatc 240

gggcttcaaa ttgattttgt gcatacaata tgatggactg attcctttaa gattagaaat 300
 gtgccaacca ataaccgact tacgtcattt agaatctgca ctaattgatc ttcttctctc 360
 ttcttcaaag agttgctatt tataaca 387

<210> 23249
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23249

agcttcatgc atggatgctg agacagactc ttcacagaa ctttgtattg gaccatctag 60
 tataatcttt atcaacaact caaacatttg gacaaactct tgtgcaaatt tggctagagt 120
 attctcacat tctccattc cactgaaaac ggcattctgga tgaccaata tcatataacc 180
 acaaagaaca actctcacag gataccttga taacctaaact aagctattgt ttgactccct 240
 gactgaatct actttctttg cctgtcggct tctcataaaa ctcttggaag tagccttttt 300
 cttggggtaa gcaaccatt taagaagatt atcaatgtta tccaagctag acaaattgtt 360
 ggcaggagcc actgttgtag aact 385

<210> 23250
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23250

ggacctataa atctcagctt gagttgtgaa aacttgattg gatcttccat ttntttgtgt 60
 agagttgcng ggaaacagaa ttcacaaaaa aaaaagaaag aaaaaagcat agagagaaag 120
 atcaacatgg tgttgaggaa agtgggtaaa tatgagattg gaaggaccgt tggagagggg 180
 acgtttgcga aggtaaagtt cgctcataac acatacagtg gcgagagtgt tgtcatgata 240
 gtgctatacc gtagcgccat catcatacac aatatggctg accaggtatt tgttttttta 300
 agtactacat cacgtgaatt cctgaaatta caagattcag ttca 344

<210> 23251
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23251

tctatttgta ctcattgagtg gtaagnngag gtctaagtgg attggtcctt ttgttggttac 60
taatgttttt ccttatggga caattgagat caaaagtgac tccacaaata agatcttcaa 120
gggtcaatgga catcgactta agtcattcct cacaaactct tcttttagtgg acgtagtggg 180
ggaagagact tccttactcc accttactct tctccacca tgacttaggg agtttttctt 240
tttctatctc cttctttact tttattacat ttttccgatt ctatttgatg gtttaattac 300
ttttaatctt ttaattgtgc tacattg 327

<210> 23252
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23252

ntggggctga aaattatata acagctccaa tggtcttttt tangccctct tctatcctct 60
ctctcctctt tcgttttgag ttttacgctt ctcttcttct ttcaaact ttttggtttt 120
gcaattccac gttttacttt tcatttttagc aataagatat cattctctat tgattaatgg 180
aaggctaagt ctccagcggt gctttctctt gaggatctag cacagttctc ttgaccggg 240
aggccaacag tgacggccaa ttctaacc gtcaatcgtg gaccactaa ttccacaagg 300
agcggtaatg ttagcaacaa caacattagt ggtggaagac caaaagtacc ctctcgggtg 360
tttgctatga gtggttcata agcggtgcc ttgcagata tgatacaggg taagtgggtg 420
attgctgata aacta 435

<210> 23253
<211> 375
<212> DNA
<213> Glycine max

<400> 23253

agcttggtta tctccttctt cactacatca agaactcactg gggtgagtct tctctgtggc 60
tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120
ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgac 180

aacaacttct cgtcttgctc atcagcaagg gaggcagata taatcactgg aaaactcttg 240
 caatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtggtc 300
 ggctggacag tggtagaagg agatggtttc tcagccttta cctcataaag aaagtcagag 360
 gtatgtgtac ttcct 375

<210> 23254
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23254

ntgatgggtg cgagaagaaa tcacatgctt gtcattcttca aaaaggggga gaatgtgaat 60
 gtatgtatac atgattntga tgatgtccaa agaagaatca aacaaagttg cttcaaaaga 120
 taagcatggc ttcaagatta atacaagatt gcttcaacaa aacaagcctt gcttcaagat 180
 taactcaaga tcaagccttg cttatagca aagtgttttc aagacattca aggctttggt 240
 aatcgattac cggaagatag gggtgagaaa tagttgggtga aaagagtttt gaatttgaat 300
 tttaacatgt aatcgattac catatgtctg taatcgatta ccagcaacgg aactcttgaa 360
 attcaaattc aaaagtcatg acccttcaat tataactgtg tatcgatata caacattgta 420
 tcgata 426

<210> 23255
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23255

agctttcttc tacatgattt aatttanaga gaatgagaga caaggacgtc aaatttatcc 60
 ctattattag aattatgagt gttgtttata gtaatggcat aaaattgaaa atcctaata 120
 gtcattggag acatcaaaca acaaccttca aattgccccca tgcatagtgt cgcttgacaa 180
 cgttagaatt cacaagtgat tgtcttcctc gaatttcaac tagcccgcat cacttacact 240
 ntgcatttta cgtttcaggg tcatacaatg ctcaacggaa tgccctggaa ctcttcatg 300
 ataagcacat gttggatccg agttgtattc tcgaaaaaat ggaggtcgag gaatctttgn 360

tgggattacg actaccattg cattattgag t

391

<210> 23256
<211> 354
<212> DNA
<213> Glycine max

<400> 23256

atgaagaagt gtagaaaggt gaaacttcct gcttttattc gttgaccaca gagtgggtacc 60
tggagatatg ttgcggggat cagaagacct tggggacgtc aggtgggggtg ctattgcccc 120
aaaacaagct tgaccaatcc cgaccaacc cgggcatagt cagtcagtga gaaccagtga 180
tgtacctaaa caggccagct cctgacagtc aacagataaa aagaacaaag accacatagc 240
aaggaggctt gtgtggtggc tggccaactg tgaatcttga gtgatattctg tgatatgtgt 300
tagtgcttaa cactactgag tttaaaaagg ttggctaaga ttttgtttaa acat 354

<210> 23257
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23257

ccgccccggg atccttaagg cacctgccgc atgcagcttc ttggaaacat tatacncgag 60
aggaacggct cgcggccaat attttaacag taggttcaca tcggttttca taaaaaaca 120
aaaataacga cgttaaccaa tgatggccac attaacatta gatttctgga gaaactgatg 180
ttacttatca tacgtaacat cggtttccac aaactgtgtt aaagatacac atattacaac 240
tatgccccgg ttatgttacc tctgttttcg aaatcgtgtt accgacaact taatctacat 300
tt 302

<210> 23258
<211> 332
<212> DNA
<213> Glycine max

<400> 23258

agcttgtgat attcgagtct gggatcggct cctaggaatg gaaggtagcc aataactgtc 60

aagcctattg gaactggagg ccaacgagat gaaacagcgg cttcattggg tgaattcttg 120
aaccatctta tcaagcatag cacactgata agtgtgacta gaatgggttt aattggatgc 180
aagttgggtg aatcccatca ccacaaatat ggtcgtgtga cacataatga gctcaacagc 240
attcttgatt atgcatgggt aactaccatg tgtttcctag ttatttttgc ttaattaacc 300
tgcgattgag tgaattgtcg atctcatcat ct 332

<210> 23259
<211> 393
<212> DNA
<213> Glycine max

<400> 23259

agcttcgata gaatcgtttg cggctttgtg gagagatctg ctgtttctcg atctgttctc 60
gcaatgcgag gcgatccgag tctattctat tgcttgagtt cgtcgtccga gcaagatccg 120
atgctcgttt ttagcgtttt tcgctaaacg acgacttttt ctgggtgtat ttgcttaccg 180
ttgttgcgtt ctcgttggtt tgaattgaac gctaagtgtt aagttaacta aattctggag 240
cgagtctcag tgtttttgtg cttcgacttg tgaactttac ttcatttagt tattgtaaat 300
ttgtctctaa ctcaaatcta agtgaatgag ctacttgctt gagctgccac acgaagctta 360
tgaattttct actagtgtac tgttgactgt tat 393

<210> 23260
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23260

cttacaaatt ataatcaagt caagatgagt atcnttcttc atttttatgc actggggtag 60
tattatagga gcaaaacatt aaaaattaaa gacataaaac actaaaatta acatcaattc 120
atgatttctt ttatctgtta gatatactgt ctacattgat ttaaattttt tgtctatagg 180
aataaggata acatctatct ttttaggaaa atgttttagtg aacacacatt gtgctatgat 240
acacctgggg agaaaaaaga aaaagagaag aaaaaatata gatttaataa agcttatgat 300

<210> 23261
<211> 393

<212> DNA
<213> Glycine max

<400> 23261

agcttttact aaagtattct ctagttttaga gtcctgcatc agtacaaccc ttattccaac 60
accaaaagca tcacattcaa tatttcaaaa gctttatcaa aatttgacaa acaaagcaaa 120
tgtgcattgg tcaacttgtc tttcaatata ttaaaagttg tctcatgcac atcagtccac 180
ttgaacacca cattcttttt tacaagttcg tttaaaggtg cagcaagtga actaaagctt 240
ttcataaatc ttctataaaa acttgctaaa ccatgaaaag atcttacctc attagcattc 300
ttaggtacag gccattcctt aatttccttt accttttctt catcaacact tattcctttt 360
gagctaataa aataaccta gaacacaact gat 393

<210> 23262
<211> 343
<212> DNA
<213> Glycine max

<400> 23262

aactaagctc tctcagttgt cttcacaaat aatcatcaca cagcttagat ttttcttgac 60
taccagcat atgtgccgag accccatacc catcaaattt cagagagaaa gaagtccacc 120
caaacctgaa ttttcagagt ccctctcgta gccacgcact tcacgactct caaaatgccc 180
tcctttcgcg atgtggagca caaatgagca ccacaagttg gagctttgtt ggggtttcaa 240
tgaggaaatgg aggagaacga tacacaccgt gaggaagagg agaggctttg aattttctgg 300
tttggctgag tgaggagaga gaaaagcttt tttggtttaa ata 343

<210> 23263
<211> 351
<212> DNA
<213> Glycine max

<400> 23263

tttataataa acaagccgag ccgaaccgag tcttacgtaa gtcgaattga agaccctcga 60
caagctgttc ggctcatttc caccctacc tgcaataaca tagaagtggg taacccca 120
attttactta ttccaattat cactgctctt tttcccttga ttttcacacc gggcctaagt 180
aacaactcaa tgcagccctt gggagcaca ggaacaaaga agggctttct tctcttatg 240

caatttcaat tcttttagcaa taacttaatt ttgtagattt tttaaaaata aattcaatat 300
ttagtataat tattactttt tcacatgtct ttttaagtact aattcatttc a 351

<210> 23264
<211> 349
<212> DNA
<213> Glycine max

<400> 23264

actccgctta taatcaaaaa gcgttcccca atttcttttt gcgcagcaca cttcttccctt 60
ttttgttttg tatactctat atctcttccct atcttcttga aaaaatttcg tggctcttcc 120
actggtgatg atcatggaag cctaaaaacta atcagtcaag gatccactcc tagcaacgct 180
taattcgagt ttgggtttta tatttcaata ttgtgggaat gtgcatattt ttcttcaatc 240
ctattttcaa aatagggttat ggattcattt cctaattata aatttaatca tacattgttt 300
ggatgatatt ccaacctaata ttgcgatctg catgaatcta gggatttat 349

<210> 23265
<211> 392
<212> DNA
<213> Glycine max

<400> 23265

ttgcatgcaa gcttgttggtt aggatagaac ctaatgacga tcacatatac cagatgacat 60
tgatgatccc acaacttttc ctcaagccta tgcaggtgtc gtgggattca actgtgtttg 120
ggtagtacia tgataatgtc cccttgtaaa taaagcatga agatcatggg gaaatagcac 180
acgatgggtc atgtatgaac atcattatta taaaaattat ggattatgaa agtaactcta 240
aatgacagtc cattaccta tttgattgtct tgaattgatc cataatttac tttattgtaa 300
caacaatagt caatcaatga gttaagtcta tgatcagggg atgcctctgt gtatggattc 360
aatcgaggt tgaatctgag gattatatta ag 392

<210> 23266
<211> 284
<212> DNA
<213> Glycine max

<400> 23266

ataacgggaa gtcactcactc ccacaaacct gaaaggccaa ctcgcaacag ttttcagtgc 60
 ttgccaaactt cacctggcat aacaagaagt catcactccc acaagcctga acgaccaact 120
 tgcaaaagtc cttaatgctc gccagctaca cctagcatag aaaaagagca acactcgctg 180
 ttgaagtgag agaggactta gatttttagaa cgttggccct cactcactca tagccagaga 240
 cggcaaaggg ggacgatggt gacccaaagt atggctaagc acat 284

<210> 23267
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23267

tatgcatgca gcttttgggt atgactccgg agaactggat gttaaacaag gagacattct 60
 taagatgttt aagctctgtc atctcaagtg gtagctcgcc cgagagggtta ttaatgtaca 120
 tatggatctg ctcaaggctt tgaattntcc atatgccaa tggaatttct cctgtcaaatt 180
 ggttttcaca caatctaaga tcacgcaatt tactcaagtt tcctaattcg cttggaattc 240
 ctcttcaag ttgattgtaa ttcaaactcc actctttcag tgattcgcaa ttaccaatct 300
 gtggatgtat tttccctgac aataggttct ccggaatgaa taacat 346

<210> 23268
 <211> 72
 <212> DNA
 <213> Glycine max

<400> 23268

aaaaggaacc aaacagagag gaaggaaaaa agcaacagga gtaccaaccc ccgaaaaaaa 60
 agcgggacaa aa 72

<210> 23269
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 23269

cctaactgac ataagctaaa aaaccctagt cggcataaac ttaaaaatag cactgaccga 60

tggtgatcga aaatacccta gctaacatcg acgaaaaata gcctggctga tgtaggcaaa 120
 aaaaccttag tcgacgtcta ccgaaaatct gtagtcgaca ttggctgaaa tatectaacc 180
 aaggttgacc gataatccct agctaattatt gactaaatag tcgctctaac taatgcgtgt 240
 gaaaagcct 249

<210> 23270
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 23270

agcttgcttc tacaatttcc ccgtttttga tgatggcaac ttcaaaaatc aagagacaca 60
 catgtagaag caagcttcat gatgaatcaa gattgattca aagagttttg atgataacaa 120
 aggtgatgac aaaaagctca aaagtcaaga acacttcatg ataacaaga tgatgatctc 180
 aagaatcaaa gaatgagttc aagattgaat caagaacatt tcaaggttca aaaggaaatt 240
 tgatttcaag aatcaagaat caagaatcaa gtttcaagat tcaagactca agattcaaga 300
 ctcaagattc aagactcacg attcaagaat cagcagaaga cctagtcaag ataagtatta 360
 tagagtgttt tcaaaaactg agtagca 387

<210> 23271
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23271

nttgtttgtt gaaatacaag aaggcatgat gagtgttatc atgttggtga ggtttctcct 60
 taaggccagc acttggtttg ggctgcacca tgttttcctt gtgcctagat agtgtgagaa 120
 tgtcattcac catctacatg tgtatgttga atagatagct aaatgctttg caaatgtgca 180
 tatatgttga aaatggcacg aaaatgcgtc tcgaagtagg aacatatgat ataaaattgc 240
 ctttcaagaa tgagaatgag tagtacaaag attgcttttt caatgaaagt gcgacataag 300
 attgttttca aatgagcttg aacatgtgcg aatatataac atgaagttgc ctctcatatg 360
 tatgaacata tatgtgaatg aaacgtgaa 389

<210> 23272
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 23272

tcgtattaca attcactggc cggcgggtta caacgatgag actgggaaaa cccttgcggt 60
 acacaactta tcgcctagca acgcattccc ctttttagcag ctggcgtaat atgcgaacaa 120
 gcccgcacct atcgcacttt ccaacagttg cgcacactga atggcgaatg gcgcctgatg 180
 cgggtattttc tccatacgca tctgtgcgga attcacaccc catatgggtgc actctcagta 240
 caatgagctc tgatgccgca taatgagcta gacccgaccc cgcctaaccc gttgacgcag 300
 accctgcggt tattccaaag tatacaaagg agggcgcttg ggaaagtcc cttttgcctg 360
 gaacg 365

<210> 23273
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23273

agcttggttn tgggcaatag caccacacct gacgtcccca aggtctcctg acccccgcga 60
 catatcctca ggtaccactc tgtgggtaac taataaaagt tggaagactg actcttcac 120
 gctttctcac acatggctta ttgggttatg gggcaccgt catatgtggt actatgtggc 180
 gatcgggcaa tggcgcaaaa caaatatccc atttcacaa gccagggcat aagcacacca 240
 tccctagttg cccaccttta aattgagctc acgtacacgt acgtagccct tctcgttcct 300
 ctcagcaccg ggtccccatc aaccttcca agccttcaca atgtcaaata cattcaattc 360
 catttgacat gaaactac 378

<210> 23274
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 23274

tagcccaata atattgctaa caataatggt tatatctata tttctaactc cctcccctaa 60

actatagttc acttagcatc acacttggtta caaagtatta aaatgtcgca acatctttaa 120
 tgtatctcag aatattgtta ggatcatatt gcaaggtatg aaagttgagt ctcacattga 180
 aagtttgga tttaatgtag ggttttttac gctccacct tcatttttcc aactacaatt 240
 gatggctttt atggtgtagt tctggtaggg tcttaataat tggattaga gcttcttcag 300
 tgttggttaa tgggtggcgt acggctacca tgggtgaatg gcatcat 347

<210> 23275
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 23275

agcttgctcag agacaattgc aaatttttct cttatctttc catcaagacc aacatgacta 60
 ctgtgcttta gattagttga ttataccttt atgcttcac atggtgagca tcactttgaa 120
 gttggaacta cattataata atatacaatt tataatataa ttagattcca ttatatataa 180
 ttaaaaccaa aaatcacctc tacctgacac actcttataa tgttttttcc aagaaaataa 240
 tcaaaacaaa aaagaatttt cagacataga agactacaga aatatataaa aatatggctc 300
 agctgagtct tcccagtcct tggaggcccc tgaaagagag ttggttaggc tcgattacaa 360
 tttttagaca tgatataaat ggacaataca acctctt 397

<210> 23276
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23276

atcttttttg gattgttttt ttccctata ccttttccca tttggagtat taaattaagg 60
 ttggcttgga ggagcttang ctcaaaagga tgatggtctc ggaaggatgt gcaagtttat 120
 atagcttacc atgttggtct ataatgtatc aatgggttta tgggtttaag gagacattgg 180
 aggtattgtc aatgaatttt ttgtttttta tcttttttcc ttggattatg atgggttgtg 240
 tataaagctt tatctttctg ggattctttt tccctatccc tttccccctt tggagtatga 300
 gagcaagggt ggcttgagg agcctangct caaaaggatg atggtctcgg atgagagcct 360
 cgagctactc tcttggtctt tcacacactt caagtctttt gttgggcca tagtgcacat 420

gtcattatag atct

434

<210> 23277
<211> 350
<212> DNA
<213> Glycine max

<400> 23277

agctttgaga caattcattc gacaataact ttgtactcgg atgtctgatt gagtcccgtg 60
acatatcgag acgctcgaaa ttgaatgttg aagctctcag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagcctcgt aatagaacga gacgctcgaa attgaatgtt 180
gaagctctga gccaatcaaa acgacaacaa ctttttactg ggatgtctga ttgcgtcccg 240
taacatatcg agacgctcga aattgaatgt agaagctctg agacaattca aacgacaata 300
aatttttact cggatgtctg attgagtctc gtaatataac gagacgctcg 350

<210> 23278
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23278

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cgtttgaaat ggctcagagc ttccacattc aatttcgaac gactcgatat atgaagggac 120
tcaatcagac atccgaataa aaaggtattg tcctttgaaa tggctcagag attccacatt 180
caatttcgag cggctcaata tattacggga ctcaatcaga catccgagaa aaaaattatt 240
tccgtttgca tttgctcaaa ggttcaacaa tcaatttcga gcgtcttgat atattaccgg 300
actctatcag acttccgagt aaaa 324

<210> 23279
<211> 394
<212> DNA
<213> Glycine max

<400> 23279

agctatgctt acaaactctt catccccctc aacaaaagac tctttcaaatt cgcttctacc 60

attataacaa caattccaaa gaatattggt catattctat ttatttaata aaaattaggg 120
acattgatgt ttagtcatgc atactcttag agtgatctct attatatatt ttagcaaga 180
attatgatca tacttttaggt gaaaaaaatg gcatacatat aatgtttgac tttctaaagt 240
cacaaagtat ggaatataaa taacataacc acaatcagat atatatactt aacacgttta 300
gtataaaaaa tttcaacaaa gtacaataaa aacctcaact aacccaaaca atagaacata 360
agtgtcagta atgaagcgat cacccaagat aaac 394

<210> 23280
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23280

tgcaaactaa gtgctcacct ttagtagagg agaatttctt atgctgggtc atggtaacct 60
tttctcttag atgaccatta aggaatgtcg ttttcacatc catttgatgt aactcaaagg 120
tcaaatgagc tactaatgcc ataattattc agaaagaatc tttcttaa atacaggaaaa 180
aaggctctgt gtatcaattc cttctctttg agtgaacctt ttggccacaa gtcttgcctt 240
atgtctctca atgttgcctt gtgagtcttt cttgggttta aaaaccatc tacatccaat 300
ggcttttaca ccactaggca actgtacgag atcccagact tggttaaacg ccataaaatc 360
atctcatnct tcatgggata tgtcaacaag ttgattcttt agaactcatg ggctgtgaa 420
acgttcagga tcatttgcag ctcta 445

<210> 23281
<211> 348
<212> DNA
<213> Glycine max

<400> 23281

agcttcttat ccaaggctta tcttgggtgt gaagctcctt cttccaaggc ttattcccta 60
gtggatggcg cctcctctct cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcactttgt ttacagcatg gccatttaag ctacatgcaa ttatattgtt 240
aatgactctt gactccatca tcaactagat tgcagtgtta cccattgtgc attttcttgg 300

gtactatata cgagagagat attggtggtt agtttaaata actggatg.

348

<210> 23282
<211> 404
<212> DNA
<213> Glycine max

<400> 23282

tcttcgccag tgaaaggatc gatgtgtgtt ttataagagg caaatttgat catcctacta 60
tgacgactga gaaaactggg gcaaatgaag aggggtgagaa agagggagaa acccatgctg 120
tgactgccat tcctatacgg ccaagtttcc caccaaacc aacaatggca ttactcagtc 180
aataacaaac ctctcctta cgcaccaccc agttatccac aaaggccatc cctaaatcaa 240
ccataaagcc tgtctaccgc actttcaatg acgaagacca cctttagcac aaactataga 300
aacaccaaca aaaatgaatt ttgcagaaaa aagcctggta gggttcacccc aaattccgat 360
gtcatatgct aaacttgatc ccatttccac tcaataattc aatg 404

<210> 23283
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23283

agctttacat gatngatttt ggtgttagat ttggtcaatt tgaaggcaag atatgggagg 60
agtgataaaa ttttactga attgcttggtg ttggtgaaga agatgatccc taaagataac 120
aagttgttga atattcacta tgaggtgaag aaaatactat gtcctattag tatggagtac 180
cagaaaatac atgcatgcct taatgattgg ataccaaaaa atgagtttgc agaaatgcat 240
aagtgccta catgtggggg atcgtgatac aaagtgaatg atgatgacta cagtaatgat 300
gtaagcacac acaataacca tccaacanag gtgtgttgct atcttccaat aattccaatg 360
cttaagtgat tctttgctaa tggagacaac a 391

<210> 23284
<211> 167
<212> DNA
<213> Glycine max

<400> 23284

gatattatgt cctgtgggta tggagtagca caaaatacat gcttgcccta atgattgcat 60

ttcgtatggg aaatagttgg ctgaaatgca caaatgcccc atatgctggg tatcacggga 120

cacaatgaaa gatgatgaat gtaatgatga tgcaaccaca tgctgta 167

<210> 23285

<211> 302

<212> DNA

<213> Glycine max

<400> 23285

agcttccaga gtttggccgt atttcgatat catacgggga ctttatgcca tctttgatcg 60

ccaaccaa at ggcatgctg acctctggaa agatttatca atctccttcc ccttggtggg 120

tcaaccccaa cgcaacttgc gcgtatcaag aggtaccccg aggcattcaa tcaaacagtg 180

tgtggccctc aaacatagag ttcaaagctt gaccgacgtg ggggtggctta cattccaaga 240

agacgaccca aatgtaaata caaatccgct tgccaatcat ggagggtcgg gagtaa atgc 300

aa 302

<210> 23286

<211> 181

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23286

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atagttaagc cagccccgac acccgccaac acccgctgac gcgaaccctt tgcngccgct 120

tctnatttac ttccatnag gctgctctcg acgcgttagc gatgagctcg cacttcatgt 180

t 181

<210> 23287

<211> 379

<212> DNA

<213> Glycine max

<400> 23287

agtttcttat ccaaggctca tcttggtggg gaagctcctt cttccatggc ttattcctta 60

atgggatggcg cctcctctca cctatcttcc tttttcttcc gctacatctc catgggtggaa 120
aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtacgtgc tccttaaacc 240
tccattaaat ttttctcttt accttctctt ccataggtgt ttcttcattt ctctacatgt 300
atctcctcac atgtcttggt ctaaagtgtg ttaacatgat tcttttagagt ttccaccgat 360
taaacatgct atagaagtt 379

<210> 23288
<211> 247
<212> DNA
<213> Glycine max

<400> 23288
gggatggcgg atttatgtgt gatttgtgga tgtggatagt caacttgcac attcgccgac 60
cgccacctag taccacatgt gacgggtacc ccataatcct acaagcttga actgaggaag 120
tgtggaatgg tgatacttcc tacttttatt cgtttgacca cagagtggga cctggagata 180
tgtcgcggtg gtcaagagac cttggtgacg tctggtgggg tgctactgcc cagaaccaag 240
cttgacc 247

<210> 23289
<211> 340
<212> DNA
<213> Glycine max

<400> 23289
agtttgtctc agcgtttatg caagacagag accaacaatgt tatccattgt cagcaagtac 60
caagaagaat taaatctagc cagcaccac gagcaciaag tggcggacga gtataccga 120
gtatacgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
atgtggatgg accgatttgc tcttactttg aatgggagtc aagaacttcc ccgattgctg 240
gccaaggcca aagcaatggc ggacacctac tctgccctcg aggagatcca caaacttctc 300
agctattgtc agcatatggt agacttaatg gccatataa 340

<210> 23290
<211> 380

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23290

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ggggagcacg aaattgaagg ataaaataaa ggagagaacg tgaactttga gttgtgtctc   60
acaagactct cattcatcaa agttacaaca agtgttacac aatgttctgt ctatggacta  120
agtagcttcc ttgagaaact ttcttgagaa aattcttaaa gaagctagag cttatctaca  180
cacacctctc taatagctaa gctcacctct ttgagatgag aagctagagc ttagctacat  240
acccttata atagctaanc tcacccccat gacaaatata tgaaatacaa aaagtcccta  300
tacaagacta ctcaaatgcc tgatatacat gctaaaacct atactactag aatggccana  360
tacaggccct atgaagaaaa                                     380

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<210> 23291
<211> 380
<212> DNA
<213> Glycine max

<400> 23291

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agcttgactt ttcaatgttc tttcatatct agagttagac ctttacctga actgtgacag   60
ttttgtactt tcgataatgt tcattcattt atagagttgt ctaccatttt caatgtgctc  120
caaagaaaga aattattata tacctaagct aaggaccttc tattggtgtc atgaacattt  180
tttttttaaa tgaattagga gttttttttt tggttacaat caatcaccat ttggataatg  240
tctcctacaa acaatcaaac atgcgcagct tctctaaagt ctcttctaataa aaattgctgc  300
ctgtaaataa atagtactta tgacacaaga aaacaacaaa aaatttgcac ttcaaacctg  360
cactagctaa aaagcaaaca                                     380

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<210> 23292
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23292

```

tcttttggac cttgaacaag caatcaactc ctctttttta ccatgctatg tgctcgcgac   60
tggteccctt ctcccttcg caacttgagt tcattattgc taccatag agctccgcga  120

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aatttggtcc ggccatactc ttccttgcca gccctcttgg tctcttggtc aagggtcttt 180
 gcggttaattg cattctcttc ccgtaacccg gcacactcct tccgaacgtg tgtagcagcc 240
 aacttgaact tctccttggc gagttttgct ntctctaact cgcttttgag aacttggact 300
 tctttgtcct cttncggtgc ttcaaaattc tctttgctga cgactnttaa cttggcgagc 360
 caatctanac ctcgatgagc aactttcagc cattcgtggt accaccaatg atgccatacg 420
 aatgcctcta actcttgatc ttcc 444

<210> 23293
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23293

agctttataa cgtggccatg gcttgctgag gaaaacacca actcatggat gcactgagcc 60
 tattcagctg aatatagtca atgacgggtt gaggtgcca tacaagcagt tattaaatgc 120
 ttctcactga ggataaatcc agttgaagac tctacaggac accatggatc tcattgaaaa 180
 tatagcanct agagatcacg ctagtgtgag tgataagaca cacatcgcta cgccacgaag 240
 tctgttgaag ctttcttcac agatgcattg ct 272

<210> 23294
 <211> 488
 <212> DNA
 <213> Glycine max
 <400> 23294

cggcgcttga tccattgata cctcgcatc aggacactat gaatactaag cttgtctgaa 60
 gagactcact ggaggtgatt ttcttctctc ctggactagt cactagtgga tggtgactac 120
 tctcacacct tcacgtttag ccttcggtat aggtacatgg ctgagatatc ccattggaag 180
 actttattga agcttagaga tccaccctat atgatgctat cctagcacgc gagggcattg 240
 gaccgaacac tgatagaaca ttgggctaga gatccaaggg acggccctag gggtctcatg 300
 agccttatgg tagatctcga gcccatgggc taagtctgag cctgctgata tatgtaaata 360
 ttagacaacg ttatcgctgg agccgagcct tgtacttagc cattctaata ctatagggat 420

tgagccgcgt atttcgaggc atcttgatac tgctttgaga aggaatcttc tctgtatgca 480
 agtctcgg 488

<210> 23295
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23295

agcttggatc tttatctttt gttctcagca aaacaacaaa gacatgtttc ccctttcttt 60
 tgagccatat ataccaagta ttgtaaggtc tagagaatca attggcacca acaaaaaaga 120
 acaattgata cacaagttct tctcatcgac taccatgata gcattntttg tagatctatg 180
 gatagatctc cacacatgaa gtcgagcatg taatctctac gactntgcga ccccaccata 240
 natgttgaag atgtcagggc ccgatgatgt ggcttttttg tggcaactgg gtgcatggcg 300
 tgggtggaga tgcggaggcc ttcgtaagtg gagatgacaa tgttgtgggt gcttgtgc 358

<210> 23296
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23296

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 ggaatgggtt taggcaaaga caacggcgcc ataactagcc tgataaatgc caaaggaaat 120
 cgtgggaaat atggtttagg ctataaaccc actcaagcgg atataaagag aagcatcgcg 180
 ggaagaaaga gtggtggtca aagctcgcg ttgagacaag aaagtgaagg aagcccgccc 240
 tgccacataa gtagaagctt tataagcgcg ggtctgggag atgaagggtca agtggtcgcg 300
 atatacgaag atgatgttcc gagtacattg gatntgggtac gaccatgcnc tctgatttc 360
 cagctaggaa attggcgggt ggaggaacgc cccgcattta cgnacgagc ataata 415

<210> 23297
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 23297

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gagagtatga tgaactaagg gacgtcaata tggccaccga tgaagccttg gaatgagaaa 120
ccaagaaggc ccgaaaggaa gaacatgacc aaaacaagtt ttgaggggct ttatagggca 180
gcaatagtga gctcaaaactc cgaagaggtg aaaggaatca tcacgggtca aaggcatgat 240
ctggaaggac gagctaaagg cttgccttat gtcgaaaaga aatttgtcca aacagttaaa 300
gtgagactga agggaatatg tgggccatca ccgatgagtg caaagagaag ctaaacttag 360
cggcgactca cgag 374

<210> 23298

<211> 387

<212> DNA

<213> Glycine max

<400> 23298

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ctcaaagaag cttctcaagg aagtttctca agaaagcttc tcatggaagc ttctcaagga 120
agtttctcaa ggaagctacc taggctataa atagaagcat gtgtaacact ttttgtaact 180
ttgatgaatg aaagtcttat gagacacact tcaaagttcc acttctctcc ctcttttatt 240
ccttcaattt cgtgctcccc ctttctctct ttcttatect ccattaaagc atcctcttca 300
agattcttat ccaaggcaca ttcttggtgg tgaagctcct tcttccatgg cttattccct 360
agtggatgat gtctccctc tcttctt 387

<210> 23299

<211> 373

<212> DNA

<213> Glycine max

<400> 23299

agcttttact agttcaaaat aaacaggtaa tttcagagac atgaatggaa taagattgga 60
gttttcaaat gcttgaaagc attcaaaatt ctcatgtgag aagaactcca tatctatgaa 120
ttttaggtct ataattgaat gagaggaaaa aaagtttggtg taccgtatac gctgttcctc 180
ttatgagaac aatgggtccag agggaatgaa gggaggaatt ggggtttcct gtgaccgga 240

atgccgctga ctttgacttg aagtgccttt cctcttcttc gatgggtcct ccatttgagg 300
 agtttttttaa agatttcaat cggttcaaat gaaaatgagt gaaaaagata aagttgggct 360
 ttgtggggag tga. 373

<210> 23300
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 23300

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 ccttcatcca ttaaagggtga tagcgggtaca catggccggt actgtgaaaa gagagatagt 120
 gggaactcta aacacttttt gtaacatata ttcatagaac tacaacttgc cagtgtcgtc 180
 ttgcgctcaa agttgacttt tagtgtacca atcaaatata acattaacag cataagacaa 240
 aaggaattaa gaatattaag acaagacaat ttaaattcttc ccttttgtgc gttgtggcac 300
 gagttgctta ttgaacctat ggacgctact ttctgatga 339

<210> 23301
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23301

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 tcctagattg caatcttaag atataaggat gagatttaag actaaatgtc agtaagaaaa 120
 tttaaagatt ttttgggaata atgttgatat caagataatg atgaaatttg aactcaatgt 180
 gtgtaaagat aaaattgtat ttcttggtgt attattaatc ttttgaatat ttatagaaga 240
 ggggtggacct tgaaataaat ggaaagagtg attttgggtca tatactatta gttgactagt 300
 caaatattga ctctaactaa tatgacttat tggcgatgac ctttgaaatg gtgcttatat 360
 gacanaggaa tnaatggcgt gtgtaaaaaa a 391

<210> 23302
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23302

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tttctaagtt ctttaacaag aatttaacaa tataacttggc cttcatttaa ctgtctttgg 60
gcttggcggc cacgatcaac aaagtacttt cgacacctac tatatgttga tttgaccaac 120
actggatcgc gtatgttgcg acaatccttc aaaaccttat ttatacattt tgagagggtg 180
gttgatcatg ggccatatcg acgtccttct ctatcataag ccatcgcca ttttccttt 240
gaaatacgat caatccatgt tgctatggct ggactcaagt gacggggaat tttctaaatt 300
tgattaaaaa aaatgtgctt gcaaggagtg tagcctggca ttaaatagtt agcaacaaca 360
attttaagta tatatgaaac ttanattaac gtgaccatca taaatgaaat cttaccaat 420
tcttcaacat ttcttt 436

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<210> 23303
 <211> 388
 <212> DNA
 <213> Glycine max

```

<400> 23303
agctttgatg caacattttg aaagggttaat gaaacaatga gatgatgcgc tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tggtgttctt agacaaaatc aaattgatgg tattaaactc aacattcctc ctttaaagg 180
aaagaatgat ccggaggcct acttgagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaggaggacc aaaagggtgaa gcttgccgcc atggagtttt ccgactatgc 300
tcttgtgtgg tggaacaagc tacaaaagga gagagcatga aatgaagagc caatgggtga 360
tacatgggcg gagatgaaaa ggatcatg 388

```

<210> 23304
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23304

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ngaagaaagt ttgtctttta catgcccaac tctctttatt ggtttttgta ttgattgggtg 60
tatgggtgtg tgtatcttag tctctatcaa ttcatacgtg catcatgcac catcatttag 120

```

gaataaggag aaagtttata aagttagaaa ttttttgcag tagtcaaaac tctttggttt 180
aatggaatac aaccttaca taatcgatta cacaagttgg ttttaagctt gcaaagaagt 240
gtctcgtatc ggtttaatca attataagct tatcgtaatc gattacacaa ttgtttttga 300
gacaatgatt gatttattca ggagtctctg ctttaatcga ttaccatgtg atattatcga 360
atacttctct tttaaaagt 379

<210> 23305
<211> 394
<212> DNA
<213> Glycine max
<400> 23305

agcttgtagg gttaaagttt catgattgcc acgtgttgat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aagaaagtca ggtagccat aactcgcttg tgctttttct 120
tctatgccat atgtagcaaa gtcgttgacc ctgttaagtt tgatgagctg aaaaatgagg 180
ccgcaattat actatgccag ttggagatgt atttttcccc tgatttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tagtcctatt tatttggtgt 300
ggatgcaccc ggtagcga tacatgaaga tcttaaaacg gtatacaaag aatatatc 360
gccagaagc atctattgtt gagaggatca atgc 394

<210> 23306
<211> 327
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23306

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aaccacagca gaacaaatat gacctctcca tccacagata caacctgga tggaggaatc 120
accctaacct cagatgggtcc agccctcagc aacaacaaca gcagtctgct ccttccttcc 180
aaaatgttgc tggcccaagc agaccatata ttccctncacc aatccaacaa cagctacaac 240
cccacaaaca gccaacagtt gaggccctc cacaacctta cctcgaaaac ttgtgagaca 300
aatgactatg cagaacatgc aatttca 327

<210> 23307
 <211> 372
 <212> DNA
 <213> Glycine max

 <400> 23307

 agcttatagt tattggaggg agaataaaac aatccaaaat caattgtacc tttcaagtaa 60
 cgaagaattc tttttgcgac ttttagacga ggagaggttag aaacaattat gaggaagagg 120
 tagaaacaat tatgaaaaag catatgaaag gaagtatgat aaatctaata ttgaatgttt 180
 taattgtcat aaatatggcc attactcttg ggagtgtaga acaaatgttg aagagaaggt 240
 caatcttggt gatgataaag aagaagttga agagtcaaca ctactactat cacttaataa 300
 tggtgagaag gaagacaaat gcttatggta tcttgacaat ggagcaagca atcacatgtg 360
 tggatgcaaa ga 372

<210> 23308
 <211> 306
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23308

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 ggggctattc gtaattatag caatgaaaaa tgccttttac gatgcacatt ctagaacggg 120
 ctctagaaat cagtttataa tggtatatct aataagattc acgataaagt ttatactaaa 180
 acccgactta atattgctga aacaaaataa aagctctgta gtactcatgc tggcctaaag 240
 tcacactcga catctgtcat actntctcat gtgaccttta actctcatac tcaactatta 300
 gctcac 306

<210> 23309
 <211> 372
 <212> DNA
 <213> Glycine max

 <400> 23309

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 tgaagattct aaggaagaac atgaccatgc tcgctcagac atggagcggt ctttctttgt 120

ctaaccat tctacctcc cacacatttg atgtgacttt ggactgagcc aaattgattt 180
atgggattat tatgaagatg gacatgaacc tgggggtacct catctcctac cagatctctc 240
tgattgcaca acatgacaca tccaaacttg tattccctgc cttgatcacc actctatgca 300
aggctagagg agttcaatta gactctagat ccctggagag cttgagccct gccattaact 360
ttacatatat ta 372

<210> 23310
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23310

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tagacttaag actctccac ttcagaacaa cttctatctt aaaaggtct acaactatac 120
ccccttgaga tatcatatgc cctatgaaac taactttctc taaccaaaat tcacacttgg 180
acaacttaac ataaagctgt tggttcctaa ggggtatgcgg cacaatcctt aagtgtctt 240
cgtgtctctc atgttcttca tgttcctctc taacctgacc tanagtctat cttgctaaac 300
acacaagctc ctaccagctg gtccagaagg tcatctatct tangcanagg gtacttattc 360
tttattcgct accttattca actga 385

<210> 23311
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23311

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acttcatgaa gttatgggtg aaagaactgg accttcaaaa actagtggac caaaagaatc 120
ctgaggactg agttgtgggt agagcctcag gtatcaaacc tgtgcttgaa ttataatcat 180
tcttttggtc caagatatac caattaagta aagggatatg ggttgtgggt tgatatatca 240
atcttactag gcgtaggtag tattgatatg acaattggta gagttatcat ggatttttgg 300
catcctgtta taacttatta tattgagaat caatctctnt agcctgcgaa tttattgtct 360

tctgagttcc atgcttaggt cttt

384

<210> 23312
<211> 378
<212> DNA
<213> Glycine max

<400> 23312

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gttgtaaadc aattttggcc actggtaatc gattacatcc tctaataatc gattaccaga 120
gagtaaattt gtttgagaaa gactttttta cttaaatttc ttggccaaac cttttgctac 180
ttcaattgga attcccttcc tatttaatat accctttcta agactctaga gactgtcttg 240
atcatccatc ttgaatatcc ttaatttctt tgtcttgaat aaagctttga gatgcatgtg 300
aacctttggc atcatcaaaa cattcagctt gatcctttgt ctacaatctc ccctgttgga 360
tgatgacaat tcctgaaa 378

<210> 23313
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23313

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cttcatgatt tacattctcc ctttttttga tgatgacaac cacctatagg ttaggagcaa 120
caacaaagaa aatatctatt tgcataatag ttactcccc ttggttttac attgattgct 180
tatatgagac aattgaagat ttcataatct tcatatataa aaagttatct cataaaacaa 240
tagatatttt gcaatatact ctcttcaaga gaagaatatt acaataaaga tcatgtanga 300
atccttatag attttgcaa gtgttgcca aggatttctt tttgagagag catttgacaa 360
ttgaagttct ttggaatctc tctca 385

<210> 23314
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23314

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tatttattac ctatacttaa tagaaaatac ttataacact acaaaataac cataaattgg 120
gagagtttga atcaatctat acaagtttta tacacaaaag ttagtcattt tcaccgacta 180
acaactcccc catatttata gttttgcttg tcacttgccc tcaagtgaca atgacatgca 240
gtgaactatg tacaaagggtg tatgctacaa agttattgat tgcattgatga gaaagatgaa 300
gcatgtgtac ctataacttg tcttcacaaa atatgcggat attcaaagag aagaatanaa 360
tgtgaactga ac 372

<210> 23315
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23315

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ttctgaacac ttgggtgacg ttttataact gatataacct gngaaaaaag aagaagaaaa 120
caagtatcct ttatttttct ggatttgatg ctacagagtt gaagtcaatt gaacatctta 180
agagccaaaa gattagtatc taacaaaggc taaaattaaa gtatgactaa gttttagact 240
taggattagt ctcataatca cttcaaagat cctaattaca gtgggttaca aaaagaacaa 300
gttaaaagtc aaagccataa cacacctcct ctgctagtct atctccatt acatcaacac 360
catcaaattg caacatgg 378

<210> 23316
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23316

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acacaaagaa ccagtttctt tggattggct ttagaaattt tggaaggcat aacagggata 120
aaaatttgta gatatgagcc ttatatgcat tgcttttagga tatttggttg gagcaaatg 180

[illegible]

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<223>      unsure at all n locations
<400>      23317
```

<210>	23318
<211>	424
<212>	DNA
<213>	Glycine max

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accgcgtttg	gacaacgaac	aggctttgaa	aatagtgcgt	agcacacaac	actatgaaca	120
cagggaaagg	cattgtcctg	aggacctcc	tacttgcctt	gtgccaatcc	ctaaaggtta	180
caaaacaccc	atcgagtggc	ctagcagcag	agataaggac	attcttttatt	ttaatttatc	240
ggcaaattgtt	aattgttatg	gggaaaaatt	aaacttacca	tctttccctt	ggttcttctt	300
ttgcactaag	ccaccttata	gttataactc	acatgtacac	acacttagtc	ggccttttat	360

atatttcagg ctaataattt gctggccggt taaaaaacat atggaccaca cgtacacaca 420

actg 424

<210> 23319

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23319

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tataaatagc tatgttaagt caggtgtctc ctcttggact cattttcgtt tttttccctt 120

ctctttctcaa aatcctttct ttttcgcgca actcaccaaa tctgtctcag aaaaataacg 180

atctcggact catttaccgt tggattgtcg tgaaatttta gcagcacgtt tgcaacccaa 240

tttcgagcat tctcactgtt gggaattgta aaaacatgtc ggagctaaga gaaatacctt 300

tcgcaccgta gctttctcat ttnccgtaga aaccanaaa agtctcagta aaactacaat 360

cc 362

<210> 23320

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23320

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tttgcttttt agacatgact cttgcttcaa taacatgggt tgctagtctt gtaaccacca 120

acctagtacc attgcataac ccttgtgatt gatacatgtt ccttaaaagc attattgggg 180

taccacacct tagtntatc ttatgattag gaagaccaa tgttctcaaa ctattgagaa 240

attcacttgt gaccacttca agtgcatttc attcaacat ttttgacttg tcaattgaat 300

aagaacttag atattccctt tgatcacctg aaaacaattc attaataaaa acattgtaga 360

atcaatatta attattaaat caattgatta tttgtgagat acctggatta aagaaaaaca 420

taatcttatt tga 433

<210> 23321

<211> 394
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23321

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 gccttttgat cttgcatgtg catcatgtag taaatttttt catttttcag gttgtaaact 120
 tccttctcta cctgtaattt gcttcacttc ttccccttaa tttgctagac ttcattctca 180
 attgctttgg ttcctcttct ggcttctggc atttcaaatt gaagggtgagc aagttgaaat 240
 ttataaatag aaatacacat attatttggt gtgttatata aacctcattt tttacggggt 300
 atgaatacct aaacctaaaa atgttatttg tatcatagag gtctatatca gaaaaaggta 360
 caaattaaaa catagaggtc tatatcaagg attt 394

<210> 23322
 <211> 343
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23322

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 aaatcggcat taccataatc acgatgggtt agattcgaca aattgagaat ggaaaagtag 120
 catatgaaca tgggaagaag aagcccctgt gaggattttg agagtcagag aaatgggtcca 180
 agtcceaagc aagagaacta ttattatata agaggaaact atacatacta cgtgtctatg 240
 aaatacggat actctagtcc cttgtcgtgt tcgngnccn acacacatcg tgtcantgtc 300
 tgacaccgac acgacacccg tattacgttc tatattttgg aca 343

<210> 23323
 <211> 392
 <212> DNA
 <213> Glycine max

 <400> 23323

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 tcgcctcag ccggccgatc agcctctccc accgatcggg aagcccacca acggctctga 120

tgagtcctcc ggagaatggc acaaaaagca agaagagtct ttggtcagt gaaatattat 180
 tgtttcacat gaatcacctt aatTTTTTct cctTTTTctg ggggggtggg tttgggtttg 240
 tgaattagt cacttttgcc caactttgac aatgagttgg tgtaattaaa ttaaattatt 300
 gttatttgtg tgttgttttt aatTTTTatt ttagacttct cacaaaagag tacatttagg 360
 ggtaaccatt aaccaataac caaccttgta tt 392

<210> 23324
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23324

caaactcagc tgacagccac aactctcgca cctgtagagt ntaccaccct ctacatcgga 60
 caatacttat tcaagttgag gggcttgaca aactcgcaac cctcttactt gtcaaggcta 120
 ctacctttga caccataaat ctcttttgcc aacaagctaa ctcaaagctt gggggattat 180
 gtactgcccg ggggtccaaa aatggacgtg gcaagtgacg tggcactcca atgagcacgt 240
 caaccctcta tgtcaacctt ggcataaggag cacagacacc ttgcccttag cagccaagct 300
 actgggccga tagggatatct ctgatacctt attatttgaa tattaatgat aatgttagaa 360
 ctcccttatc angtgacagg tacctaatta tctataagcc acancttatc tactagctat 420
 taactataag ctat 434

<210> 23325
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23325

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 ctttttgtgc aaataggttt taattttact atcgagaacg ggtagatgt gagtaaaaaa 120
 aaagtgcttt tgatatcata tttaggaaac aaaaatcggt ttttaattaa aaaataaagt 180
 ttatctgtgt agaatttgta ggatctttct tttgccattt tttacaaaac aaaaaatagt 240
 ttttttatcc caaaattaca aaataaaaaa ttacacaaat aatacaagtg taaaaatatt 300

tgccaaagtg aaaaattggt cccctcaaac tgatgtctca aagtgtatga aattctttnt 360
 tttgctttca atgttgggaa atcgatttcc atgcaccg 398

<210> 23326
 <211> 419
 <212> DNA
 <213> Glycine max
 <400> 23326

ctcagctaac aatccttgtg atctattatg gaatatttct atccctatca catagcttac 60
 ctcatccata tctttcactt caaagtttct agagagaaat ttcttagtct catgaagaag 120
 accaagatcg ttagttgcaa gcaagatata atccatatac agaattagaa aataacctta 180
 ctcccactga ccttcagata catataccga taaatagtat tttccttaaa tctaaaggaa 240
 acaatgggat cattaaacct caaataccat tggcggggaag tttgctttta gactgtatat 300
 ggatttcttt agtttgaca ccatgtgttc ctttcctttc actgagaacc ccattgggtg 360
 gtccatataa acattatctt cctaactctt atttagaaag gcagttttca catccatct 419

<210> 23327
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23327

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 cttttgagtc acgtgacgg gcggaaatac ccgagtgggt atccgtataa actttttgct 120
 gtctgtaaga cgtaaagcct tataacacgc agagactaac gtcgtcttct acgaccttcg 180
 tcaatcgcg cgcacaagcc catttaaaag cggagattta cgtcatcttt cgtgctcaca 240
 agatctgtca tactgacttt tgagtcacgc tgacggggcg aaatacccg gtgggttatcc 300
 gtataaactn tntgcattct gtaagatgaa aagcgtaata gcacgcagag actaacgtcg 360
 tcttctgcgc ccttcgtc 378

<210> 23328
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23328

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 tgcgtcggtt gttcaacctt aagatgggag aaggtatctc tataactaat catattaatg 120
 aatttaatac tattcttgcc cagttgaagt cgggtgcagat caaatttgag gatgagggtga 180
 aggcatatgat tctattgtca tcaactatcgg atagttgggt tgcaactgtt actgcagtta 240
 gtagttctac aagagagaac acattanagc ttagtgacat tcgtgacttg atcttaagtg 300
 aagatgttcg caagagagat ttangagaat cttctagtca tgtttccaat ttagcattga 360
 atactga 367

<210> 23329
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23329

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 cgtcctttgt cacgggaagc cggaagggtcc atatcacctt ctttaattgta cacatggggc 120
 actacgcccc caaatgcgca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180
 atgcattcat atcatgcac gcataagcat ctcttcataa catcataatg gacataatct 240
 gcatttgtcc gttatcatat tccagcctca cattttgcat gagtcatggc atcatcatgc 300
 atatgcgttc aacaaactnt ntgatctgca naatgcata ccatntgttt tcatgtttgc 360
 tcatccttgc gttntcctct ac 382

<210> 23330
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23330

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 tgtgatcatc tttttctctg tcattgaagg tgccacttga gctgtcaagt ccctccacct 120

ctgggcgtat tccttgaatg actcatgctc ttttttacac atgttttgta gttgcgttct 180
atccggagcc gtatcataat tgtactgata ttgcctaacg aaggcaacca ttangtcctt 240
ccaagaatag actcgggaag gttccaagtt agtgtcatac cctaatttcg tccggggatt 300
attacttgac gacatgcaac ctttgattgg tccgttcaag atacttggca ccctttgttg 360
cacaatatgt aagtcttgag acgcaccgga agtcaaagga agcanggtta tgcgatccgt 420
gaaattccgt aatgtggcgg aaaccaaag 450

<210> 23331
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23331

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aaaaataata ataaatttca tattttcata taaaaaaca gctattttag aagaaaaaaaa 120
cttttctaaa tttcagctgt gttttcaaat aactttgtta ttttgcaaac attttttatt 180
ataaaaaaat agttgaaata agagattata atcttttcca aacataatcc ttgtttacaa 240
aaatatattt tgtgagaact taatacattn tccttatcca ataataagct tcatctagcg 300
tataataact cataaatnt tattagtata aaaaaactca taatttataa aataaattaa 360
tntatttata tcattagttg act 383

<210> 23332
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23332

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gacaaattgt cagtttggtg ggaaaaaat gcttgtgcac ctttgggact tgggaccgta 120
tgcagaaagc aactttgggt tttgtaaatt gaccctctta accttttggg ggtaccatgg 180
atgtaattca aatatggaat aaaaaacgaa acctgaagga gctcatctca ctccctttta 240
tttgatctgt gtgccaatcc tgcttttcaa attaaaaata aaaagaaagg gggttgattta 300

ggatccttcc cttccactaa actaggtaat ttatatagaa atacaatgca aaatagncaa 360
 atgttttatt ttctctcttt cctgatcttc aagccttctt cagtgaagca tatgtttctc 420
 agtgcctatc nacctcagaa ctaagcacct gtctaattgg gggagtatga aacagttcta 480
 aagagn 486

<210> 23333
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23333

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 gacaagtctc tagtcttaga aagggtatat taaataggag ggggaattcca attgaagtag 120
 caaaaggttt gaccaagaaa ttttaagttaa aaagtctttt acaataaatt tactctctgg 180
 taatcgatta ccagaggatg taatcgatta ccagtgacca aaactgattt acaacagcta 240
 ttaaaatttg aattcaaaat ttgcactgtg taatcgatta ccagcagttt ctgaacattt 300
 taattcaaat tttaaagcgt gtaatcgatt acacacatac tgtaatcgat taccagagga 360
 gaatttcaga gnacagtttc aacagtc 387

<210> 23334
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23334

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 tatagtcttt caattgatgt attgtgtgaa tttggttcat tttaaagtaa aaggaatgta 120
 ttttagagaa tataaaatac taataattat tattaattca aaactaatga ttaagattat 180
 ataattaatt ataaaattta ttatatttct atttaaattt ctctgaaatc ataatcgtta 240
 atttttttta ccataatcat aattaagatt aattattaga agtataattt attgttttaa 300
 gtgcttgtat acttttgact ataaaattct actagtttct gtttgtttct gtcgtattta 360
 gcacaaaaac gaagggcctg tattacgtca aagcccacaa gttacagtta atttgtaaag 420

ataaccctta acgaagtcac gttttt

446

<210> 23335
<211> 363
<212> DNA
<213> Glycine max

<400> 23335

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agtaaaaagt tattgtcgtt tgaattttct aagagtttcc attttcaatt ttgagcgtct 120
cgatatatta cgcgactcaa ccggacatcc gtgtataaag ttattgtcat ttcaatttgc 180
tcagagcttc tagtctcaat tttgagcgtc tcgatatatt acccgattca atcggacatc 240
cgagtaaaaa gttattgttg tttgaatttg ctacgagctt cctttttcta cttggagcgt 300
ctcgatatat tacgttactc aatcggacaa ccgtgtataa atttattgac gtttgaatat 360
gct 363

<210> 23336
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23336

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atcgagacac ttgaaattga aaacgaaaac tcgtagcaag tgcctaccgc aatcactttt 120
aaatcgtcgc gaaataaatt gacatgctcc aatttgaaaa agaaagttca tagcaaattc 180
aaacgacaat aactttttac acggatgtcc gattgagtcc cgtaatatat cgggatgtc 240
caaattgaaa acggaagccc ctagcanatt caaacgacaa taacttttta ctcagatgtc 300
cgacagaggt tcgtaatata ttgagacact gcannatgaa aacagaagct cgaatcanat 360
tcaaacgaca atatcntttt tactcga 387

<210> 23337
<211> 376
<212> DNA
<213> Glycine max

<400> 23337

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 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaaatga 120
 tgggtgttctt agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaggcct acgttgagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
 tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatgggtga 360
 tacatggacg gagatg 376

<210> 23338
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23338

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 cctcggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaaggaaaa 120
 tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180
 gcaaaaaaag aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
 gaaaggaaaa ttccaatca aagaatgaga gaaagtaaaa aaggaagaag aagaaggaaa 300
 gaaagctcct gatcagggat cgaaggaaaa cagaagaaat gtgcagagag gtctttggac 360
 cggancatat atgaacaata cagaatt 387

<210> 23339
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23339

agctttgatt aactctttaa tagtgggtcta aacgttttat gctgagaagg tcatgtgctc 60
 cattagtttt ggagttgaaa aaccaaatat tgaatgacat caattggtgg taatggctac 120
 taaatgcatt cttgatggta gaatgcctat atatagcaca tgtgtttgat ccctgagctc 180
 acatctttca ttttctcta atacaccatc tacagagaga gagagagctt agaagaacca 240

aaacaaagta gctcttcacg acaatgggtg gaggtatatt tagattttgt ttttcacatt 300
 nttaatgaca tgtgtttcat tttgttgttt gtaacatcat aggtttgata ntttagtctt 360
 acatttgata tta 373

<210> 23340
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23340

ntgagcttcg aaaaaagctc tccaatcgga tccaattttg gttggctttc gccagtcatt 60
 gtgcacaacg ttctataatt aaatgggtaa accttttacc tttcataaag taatacataa 120
 tacttaaaac atcctgacat agacaataac ttaatgtaag aaatgggata aaaaaattga 180
 cagataaagg tgcttttgaa ttaattaagt atatagctaa gtaacttacc aagttgctgc 240
 acatgacctt gtattcatcc agaaatacct tgaaagtgat tgaattcgac acttgatggt 300
 ataataagta ccattttgaa aaaagtgttg catcattggc tggnttgata tggtcagcaa 360
 gaagagaccc tgacataatg ggtaatgtca cttgtgattt cctcga 406

<210> 23341
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23341

agctttgagc caattcaaac gacaataact ttttactcgg atatctgatt gagtcccgt 60
 atataacgag acgctcgaaa ttgaatgttg aagctccgag ccaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcccgat aatatatcga gacgctcgaa attgaatgtt 180
 gaatctctga ccaaattcaa acgacaatag ctttttactg ggatgtctga ttgagtccca 240
 taacatatcg agacgctcga aattgaatgt tgaacctctg agccaattca aacgacaata 300
 acgttttact cggatgtctg attgagtccc gtaatatatc gagacgctcg anattgatgt 360
 tgacctctga g 371

<210> 23342
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23342

taaacattca ctttcgagcc tctcatatat tacggttact caatcaaaca tccgagaaaa 60
 aagttattgt cgggtgaatt tgctcaaagg ttcaacattc aatttcgagt gtctcgatat 120
 attacgggac tcaatccgat atccgagtaa aacggttattg tcgtttgaat ttgctcaaag 180
 gttcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgaa ttggctcaaa ggttcaacat tcaatttcga gcgtctcgat 300
 atgttacgag actcaatcag acatccgagt aaaaagctat tgtcttttga aattgctcag 360
 agattcaaca ntcaatttcg agggctctcga ta 392

<210> 23343
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 23343

agctttgttt tacatacggg aaagaagatg ttgcacatgg gcaccgaaga tcacacaatc 60
 agctctgatc tatttcacga agatgaagag ccacctgacc ggaatgcctg tgatacagct 120
 cacgtgatgg aggaaagaag acctatcacg aacgtccctg aagtgggaac tttattggat 180
 cctggataac acgacgatgc gtccagctag tgacattaaa tatacgctta ctaagacgca 240
 accca 245

<210> 23344
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23344

catgacgcat acgctttaa agcctctttg tttcagccac cagagggggc gcttgtgata 60
 gtggacactc ctatagcagt tttgtatcat agcgcgaaag cagcctatc ttccaatgac 120
 cgagatccgt taacactgct cttaaacgaa gggacatca gtctctcccc ctogaacgaa 180

tttagcttcc aacacattgc cacacctaga ctctttgcac ccactcgcca ctctcccctg 240
gagagctctg tttatgctcc gaagtcacaa aaagctgagg gtactgcgtc ccaagagtgc 300
attcgccgta ccacttatga caccacgtac acacaataat gctctatcaa acacccaaac 360
attcctaatt gctaatacc 379

<210> 23345
<211> 389
<212> DNA
<213> Glycine max

<400> 23345

agcttttggtg tttagtgacc tttagtgagc ccagctgcta gggtttttagg agtgggtcgg 60
ttattgttca cgtaaagagg attgtagggt ttcattttca gttttcgggg ttactgttca 120
cgtagcaact ccattttcgt tttctgggtc aaattctagt ttcgttttct gcttttaatt 180
ccagtttcgt tttcatttct gtcttctaata ttcatttcat tttctgcctt tgatttcctt 240
ttcatttctg ctattaatgg aaggctgaat ctctagtgtt gttttctctt gaggattaag 300
aatagctctc tttgaggttt tgttattaat attaaattct gatcattttt tccccttcac 360
gaattattct gtatttgctg ctgatatta 389

<210> 23346
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23346

agtcttgggg tttanaaact gctaaaggaa atataagcat cacattaaat taatctgttg 60
atattggtca accaatgata ttggattact ttcctaattgt gtgactgaaa aaggatctcg 120
atctcaatgt cttttggaat tctctaattct taacactgca tctttaattt attgattggc 180
tttgttgtgg tgggtgttgt ttatctctaa ggttatatag agacttttga gatgttttta 240
gagcattagc tgcagtactg ttatgtacta tcttcatgat gtagctcttg attgctattc 300
ctgttagaat gccccagaat acctgttgta ctgtttcaac ttttaactct caaggggtggc 360
ccagtatttc actttttggt ntaactt 387

<210> 23347
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 23347

tacataaaca ttcgctagtc caacacacac tcaacattta gtcattcatta ttcaatagtt 60
 ccaatcaatc atgctcagta tgatgcatgc acctgacctc aactctcaaa tgcaatgtgg 120
 taccatcccc aaggaaatag cctaagtgtg tccacacgac actctcactt agaaaaatta 180
 agcagtaagt gtcgaggtaa ccctatcgtg cacaggcaac tcccctcccc cctaccacag 240
 gtgatcagcc tgagtctcaa gggagtttca aaccgagtga catgccccca agtacaagta 300
 ttctctctca tgagaaacta caagtactta atgacaaagt ttatattatt tctatgtcat 360
 atgaagtatg aaacatggac accatcaatg cactgaccgt agataattaa agattctaag 420
 ccacccccct cca 433

<210> 23348
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23348

agcttgaagt tgttttgaag atgttctggc ttttacctgt ctaactccct tgagtggcat 60
 ttgtattggt tgctatcttg gttgttgcac cttgggtacgt ttgatatatg ttttgcacat 120
 tgcacatcat tagtgtctgt gaagaaaaga ttctaagtta gaaaattttt ttagagggca 180
 aaaactctct gtattaatcg attacagagt tgctgtactc aattacaaca cgttgtttga 240
 ggcttaaaga gtttaagtctc atcagtttaa tgcattacag cagtatttta atcgattgca 300
 ctgttgtgtg agacaatgac tgatttatctt acgactcctt attttaatca tataccaggc 360
 ggattaatag attacttc 378

<210> 23349
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23349

caatagacct ccaatcttta atggagaggg ttaccactac tggaaaaccc gtatgcaaat 60
 ttttatcgag gcaatagatc taaatatctg ggaagccatt gaaatagggc cttatatacc 120
 caccacagta gaaagagttt caatagatgg tagttcatca agtgaaagca taaccataga 180
 aaaacctaga gatagatggc ctgaagagga tagaanacga gtacaataca acctataagc 240
 caaaaacata ataacatctg ccctaggaat ggatgaatat ttcagagttt caaattgcaa 300
 gagtgctaag gaaatgtggg acactcttcg attaacacat gaacgaacta cagatgttaa 360
 aagatctacg ataaatgca 379

<210> 23350
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23350

agctttaact gcaattaaat actcaaacat aatcatgggt atgtttttct tatcttgctt 60
 tcacaaaatg cattaaggag gagatatcac aaaaaaacag accataattt cagtagctat 120
 gagactacat cactacacag atattaaggt tcatgggtcta gaatgggggc agaagactat 180
 tggctttcaa tgcacaacaa aggcaacaaa ggggggtcaaa tataattata tattgatata 240
 ttgatttcta ataatgctga tgtgcttttc aaagtaccta tttttggcaa tttcaagggt 300
 actatgatag agtttgggtc ctgtttctat atggattgag aaagttctgg actattgttc 360
 acttttcacc caacaccc 378

<210> 23351
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23351

actatacaat actctagctt catctacaca catgctgggt tattccccaa ttagtttagg 60
 aaaatgttta atgatgggga aaccgattgc agcgtgagga gagtaggaaa tgaagaaaaa 120
 atacatcttc tagagtacaa aaatcttgta gcaatttgaa gatagactta atttacaagg 180
 atgaaactat ggctcacgaa ctactatgag atcttacaga tgaaattgac tgtgcagaga 240
 cagatgcggg cgggctgtta aggtccctct ccccatatat ttctttgggt tttccgctaa 300

gtctttccat agcatcttga catatgtcgt taaaccattc gtcttcaggc agttctctgg 360
 caacagaata tacatatcag actcttacag atttaatgcc acaactttga atagaanaac 420
 aattgcaa at gcaaagatat 440

<210> 23352
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23352

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 tggaaccggc cttttggaac ccnttaa atc ttaacgcngc cccaaagtgg gggacttggc 120
 cgaacgggcc ctccttacta ccttaaaaag accgaaaaac ccttaattgt gttataaatg 180
 ggctcagatg acccaactgt tgaaagtgtg acaaactcaa ttcttatatg aaaactatgg 240
 aggggtggtat ggaaggttga tcagaagtgg attaccggaa tgaggtatcc cgtgaaaggg 300
 ggaaaaatta taccttaatt aagccatttt tttcttaa at ccaacaaaac tgatggtctt 360
 tcttttgttt ttgaaaccaa acgactccaa ggattgaata atatgacca attttattaa 420
 taaaaaaacc tgtttaatga caccaccctt gccgaatggg gtgggacn 468

<210> 23353
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 23353

tcaagctgtt tctcggatgc tgcgatggtt agtgggagtg atgctcttgc gaacattaca 60
 tcgaaagttt atctgtctcc caagctttgg tatttgaggg ttaatgtgat agaggcacac 120
 gacctgatgc caactgataa gggtagatac cctgaggtat ctgtgaaggc tatectgggg 180
 aatcaggcct tgaggactag aatctctcaa agcacgagta ttaatccaat gtggaatgag 240
 gatctgatgt ttgtgggtggc cgaacagtct gaggagccgc tgattttgag tgtggaggat 300
 agaagtgcgc ctaacaacga tgaaatgttg gggag 335

<210> 23354

<211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23354

tcaagtttga caagatgtct atgtatttag atcaaaatta tgtgggtaat ttaccatg 60
 accgaaggac taagttacta atatcaccat tcaggaactc ccatgtggct aatgcaattg 120
 caaattgggt tcaataatgg aaatctaatt ttccctaatt tatgtccaat aactagcatt 180
 aactctccag actatacata gtatgtgggc actctcttct ttatgggtgct taaaagggat 240
 agtttccctt accgtgctgc tagagcaata cgctcataca agtcacgagt cctctttcaa 300
 cgtgtgcatt gcctagtctg gtttggcct aacacgagag tcattcatga ctgtggacgc 360
 atccgatatc anagattgg gctcat 386

<210> 23355
 <211> 421
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23355

 gtgaagaatt ggtatatgat ccaagtattt tataagcttt gataattncc gcgtaacata 60
 atcggatctt atttatcttt aaataaatga tcaatttaatt ccttaaaatt atatctcggt 120
 gtcacattaa tctataagac taaaaagtct caaataaatc ctaaaatcta tattattatt 180
 atcacttcaa tccatggcct aaagatcaac atgaaaaaaaa atagttaatt ttagagactt 240
 aaaaaaatc tagacctaaa agatgttaga gattacaatg acaatgaaat ataatttcat 300
 ggattaaatt aattatttac tcctaattgt ttcacaccaa ttaaaaaact agaccatata 360
 atgttatatg gagattgatg ggagcatggt ctgataatga ttccacacta cttaccatat 420
 a 421

<210> 23356
 <211> 386
 <212> DNA
 <213> Glycine max

 <400> 23356

tcaagcttct ggaacaacca ggtacacctt acaactttca taaagtgaca tcatgtaaag 60
ccattttgag gaacctttat gatggacatt ctgaataacc ataagaataa tcatttctaat 120
gtatgctaag agttaatcca tacttgatga atttagttga tgaagtttag actaatatcc 180
cattctaaag tagcacaact tcatcattct aaacacttct ttttagctac aagcattctg 240
aagttgatta ctttagaaaag actaagtaga agttcaattg ctagtgtgtt agcgttttgt 300
tcaaggttag actgagtggc attctttaaa attttcattt tgatgtgtct catcagcgac 360
tctcatggac tacttcaact ttcaac 386

<210> 23357
<211> 432
<212> DNA
<213> Glycine max

<400> 23357

gaccttagaa actcagctgc ttcacatgtc gcttcttttt agcagctttt attctcactt 60
gttaaaggcc cgagatgggt ttccctttgc tgggtgaaga tctttgactc ttcgatctat 120
agtggccaat attcttgctt tttgctgaaa ttaagcatta caattttcag tttatagaat 180
taagctcttt ttaattgttg tcaagtcaac tcaattgaga aaattagaac cacaaatctt 240
ttgggtgtgt caaaaatttc taagagcaag atccattgaa atgattttta tgggtgaaga 300
gatattggta tatttggcat gatgtggatt atttgtttta actttgcagc ttattgattt 360
acaaggtgct ttgataaaga ggtgtttggg tctaacaact cttaatcaaa gaagataatg 420
tctcaccaaa ag 432

<210> 23358
<211> 317
<212> DNA
<213> Glycine max

<400> 23358

tttcatgtat gctttgcaga ccaagccctc cttgacgaag ctacggactt ttttgagatc 60
ctattgatcc ccctatgtga aacattactc gatccattcg tttggggatg aaaggggtgat 120
gctacttttc ctcgcacatg atagcgctgg acgacatttg agagatgatc gtacacaaat 180
gtgtacctgc atcgactaat ccagagtcta ggctctccac acctagacga tatgtctctc 240

tgtaagagct taatcaccat cgttgcatga caggcgggct accaggtgct tccaccact 300
atgagacata gtccact 317

<210> 23359
<211> 231
<212> DNA
<213> Glycine max

<400> 23359

gaagaaattt cgaggtgccg aaacaaaaat ccacaagcga gacacaaaag agagaaaggc 60
aaaagtgaca caacgaccga ctacacaag ttggaccgaa tgacacaaac tagacaaaca 120
gaaggccctt ccaaagggac caaagtacgt gttacaaacc ccagaaagac aaggagacca 180
ccatactcaa agaagcattc aatgcaaaga taccataat agaaccccc t 231

<210> 23360
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23360

ttgcattcta gcttatgcat tcttatcatc atgtcaacct catcttcact caaatctccc 60
ctcttaatat ttggtattag atagttcagc catctcaatc tacgactctt gcggcatctg 120
ttcaacccta tacgtatacc agacgcatat taatgtttat tatttattac aacttatgag 180
gatatatgtc atagctatta tatatatata tatatatata tatatatcat tgcgagtcac 240
aagcatattc cagataacga aaagagaaca tatacaaata taaacacatg catatattaa 300
tattatgggt cttgctaatc ataatatcta ttgtataaat gatngaaaag tat 353

<210> 23361
<211> 111
<212> DNA
<213> Glycine max

<400> 23361

aacttatacc attgggagga gaatcaatga aggcaatggg acagtagttt tcttatactt 60
aaaggcttca atccttgagg caacttcaaa tgtgtatcag caatgtctta t 111

<210> 23362
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 23362

agcttctttt accctcgggt tataaatgtg cttcaaaaga aaagaaaaga aaagagaaaa 60
 agaaaatcaa ccaatcaaag attggaggaa agcaaaagaa aaatagaaaa agaaagaaag 120
 gaaaatacag aaaggttctt tggacaagac aatgtctgaa caatgtgcag aattgtcaaa 180
 aagaaaaaga aaaaaagaag caaacaaaag tttgcttgaa acctcaagga tgtgtgaagc 240
 agtcacctcc ctagttacca accaaacctt tgtgcacacg cttgtcccgc gtcgaaccaa 300
 agagaaaaga aaaaaaaaaag acgagggaaa ggccagaaca cccaaaagcc aaattcccca 360
 ccaaaatcca acttcctaaa agtcctatgg atccatg 397

<210> 23363
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 23363

ttatgcaaga tacctcctag tagcatggac aagctacata aattagcgaa aaggtagatt 60
 cagatggaag aaatgtcgag gtcccgaaac aaagttcgac aagctagaca caaaagagag 120
 aaaggcaaaa gtaacacaag gaccgactca cacaagttgg acctaatgac acaaactaga 180
 caaacatcag ccccttccaa agggaccaa gtacgtgtta caaaccttg atagccaatt 240
 gagccaccat tctcaaagaa gtattcaatg cagagatacc tatatagtta cccccctata 300
 cctcctcttg taaggccttg aaattttgat aactgaaaat aaatgtttga tatatttctt 360
 gtgttatttg attaatattca attatttgag gtgttgtgtt tattatcaat gtgtgattgc 420
 ttggtgtgga tgtaggtta t 441

<210> 23364
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 23364

agcttttaag tatgggtaca ttagtaattt ctatatactt cagttttagt atatagatat 60

tgatgataat tgattaagaa gccgtaaaag gaaaacatat ttacaaaaag gaagctgtta 120
 catgacataa agaagtgtca atgatgttta tcaaattttt gtattgactt ttgtacattg 180
 agacttaatt cgattatact cttgatattt taaatgaata aaaaaatagt atttgattaa 240
 taaaaaagta tttgctaaca cataagtgat gagtctaata gatttatatt gttttgattt 300
 gacttttagg gtggttatta tcaaattcaa tagggtaaata aatcattctt gtctctaaat 360
 gtatagagcg ctgataaatt t 381

<210> 23365
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23365

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 atggagttgc agcgaagta aaggagaaga ggcactatcc actagggaat aagccatgga 120
 agaagaagct tcaccaccaa gagagtgtct tagataagaa gcttagagag gaagcttcaa 180
 tggaggaaga aaatgagaga gagagagaga gagaaagtgg catgggattg aaggaaagat 240
 aggagagaa gttgaacttt gaaatgtgtc tcacaagact ttcattcatc aaagttacca 300
 caagtgttac acatgcttct atttatagcc tangtagctt ccttaagaac ctagtgttac 360
 acccctcaa tagctaagct caccocatga caaatacat gaaggaagaa agcttccttg 420
 ag 422

<210> 23366
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 23366

agcttctgtg cctgatgctg agaaagatgt tccaacatct tccaccccga atgtttctgt 60
 gcctgatgtt gagaaagatg ttccaacatc ttccggccca aatgctgaag ccctcccttc 120
 acccagtga gaggaatcaa cagaagaaga ggatcaagcc tcaaaggaga ctctgcacc 180
 acgggcacca gaacctgtc caggtgacct cattgacctg gaagaagtag aatctgatga 240

agaacccatt gccaacaggt tggcacctgg cattgcggaa agacttcaaa acagataggg 300
 aaaaaccctt cttaagaggt ctggaagaat caagactatg gcacagaaga agagtactcc 360
 aatcactcct gccacagcca gaagaagcaa gg 392

<210> 23367
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 23367

tgtagtgagg cttggctaca acaatttatt ggttttttta ggattcaaatt gtttagattt 60
 taagagagca caaatcatag acttatccca atgatcttgt atcatacaag tagctttctc 120
 actatctttt cctcttaagt tgcttttgac cttattgtaa caacacaatt tattcttttt 180
 ttttaacata caacttattt gttgtgtggt ctgatgctta acctttttct tttcattcta 240
 attgacttcc ctcccccaaa ttttagagtaa ctttgccctg aaccatatgc tctcctaaaa 300
 tctaaacaag gtattaggag ataattattt aagtttaggg ttcaattcat gacaaaatca 360
 tttagcttat acaggagca aaggatgcaa ttatcattca aggtaagctt tttggtcaaa 420
 aggc 424

<210> 23368
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23368

agcttcttgc ttgtacctt tggtcacttc aatttttgag ttaggctcta ctctttttct 60
 cttgtacatt aatctttcat tgcacttttg tgccttgcag aatttggaga tcttttgtct 120
 ctcttttttt tttctttttt tactcgctt tggcagatct ttttttcttt ttttattttc 180
 attgttgctt aacttcaagc atgcattatt tgcattgctc ttctcggttg tttagtgggtg 240
 gttcccactc agggtttgca ttttgctttt gttgtttatt tgatgctttc ggaaaacaaa 300
 tatgcttttg ctcgaggagg gtagcaaggg ataaattagt gtttgggatg ttgaaacatg 360
 gacatgtgtc acttcaagtc ttgac 385

<210> 23369

<211> 436
 <212> DNA
 <213> Glycine max

<400> 23369

tactcatgct agcttctaca tcatctttgt taacatgaag tggctctttat ttttgagctc 60
 tttgtcatca tctgtggtat catcaaaact ccttgaatca atcttgattc atcatgaagc 120
 ttgcttctac aaagacaaac tagtaatgtc ttcgcccagt tcaggggtca taacaatttg 180
 ctccccctta acctatacac ataaaaagct agactctcca tcaatatgag cagtagtgta 240
 gaaaatcctt accaaatcat ggtagtatac ttccttcctc tctactaact tcttcaaccc 300
 atgggtactca agaagttatg gaaaaacaaa cccttgacac ttcaaccaca ccaagtctag 360
 atacttgggt tgagattgct ctttctttgc ataactaaac tcgtaagaca cctcgtagtg 420
 cttctctaca aaccat 436

<210> 23370
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23370

agtcttaagt atgctctgaa ttcacgacat tgtgcttagt gccacccttg cacttagcgc 60
 aggtaagtgg actcgggctt atcgctagtc gagtgctaag cctgggtgaa gacacctgct 120
 acgcttagca cactaatctc gcacttagcg cacgaccttg atgctgatgc tcttccagat 180
 tctccttcgc gctaaatgcg ctgatgctgc gcttagccca ctgatgagct aagctcaact 240
 gtcacttttg gaacttcatg acttagcctc tttttttcac ctgaaaatgc acatatttca 300
 tcattaaatc caatggaaat gttctggaga cagctttaat cataaaacaa gatttattta 360
 caggattacg tccaaataac cat 383

<210> 23371
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23371

caccggatag ntcattcttt ataagtgctt aagtggaatt agagtatcgt atgtataatg 60

ttngaataat actctgtgat tatacttcca aatattcaga actctgcttg gttatgatta 120
 tcaggcaagc aaaggatggt gttaaaggca taaagaagcg gattggaagt aaaaattcaa 180
 aagtccaact tcttgcaact actgtaagca aaatagtctt gcgatacaac cttttttctc 240
 tttaaactct gatgtcagta ttgctctaga ttcttttga ctcaagcatg ttgctgtaa 300
 ttgcattttt caaatttcat tttggcctcc caaacttcac attgttgact cgntcatttt 360
 tgaatggttt tgttgaatga cgacgatgtt ta 392

<210> 23372
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 23372

acgctcatgt taccctcggg atataaacgt gctgcacatg caaagatcag aatagagaac 60
 atgattatca atctatcata gattggagga ggcactaga cccttacacc tcgattgaca 120
 ggaacatacg gaaacgctat tcggacaaga caatgcctga aactgtgca caattgtcaa 180
 catgaaaaag aaaaagagat gtcacaaat cgtctgcttg gaacctcaag gatgtgtgaa 240
 gcatacacct ccctagtttc caac 264

<210> 23373
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 23373

aatgtttttc cattgattgg gaaagctggt cccgaaattc ctgaaaaatg taaagatcca 60
 ggtacattca gcataccttg tattataggg aatagtaagt tcgagaatgc catgctagat 120
 ttacgagctt ctgttagtgt tatgcctctg tctattggta attctctatc tctaggtccc 180
 ttgcagtcaa ctgatgtgat aattcattta gctaatagaa gtgctgccta tcctgttggt 240
 ttcatagaag atgtcttagc tagagttggg gaactgatct tccctcgtga tatttatatt 300
 gtgaatatgg aagatggatt ttctcaagga tcagatccca tgattctagg cagacccttt 360
 at 362

<210> 23374
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 23374

tctagcttgt tctttgatta tactaagctg tgtagcaagc ttagaacaat atacttggcc 60
 ttctcttaat tgtctatggg cttggcgacc acgatcaaca tagtactgtc ggcacctact 120
 atatgatgac ttgaccaacg ctgcttatgg aatgctggga ctatctttca acaaccttat 180
 tcacacattc tgataacgag gctgtcatgt gaccatatcg tcgaccagat gtatcgtaag 240
 ccatgctcca tttttccttt gagattcgac aatccatcat gctatggctg gactcacatg 300
 actaaagtgt tctaaatatg atcaaacaca tgct 334

<210> 23375
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 23375

tttaaaacaa cgacagccta tgagtaaggt cataaaaccg cggggactag cggacaaaga 60
 acggaacaag agaaaaatgg gaacggaacg gaagcgggag aactacgaac caagaccaaa 120
 aagcagcatt gccgaaagga atcgagaca ggcttgaccg cgataacctc atggaaggag 180
 ataaaaacat cggactcaaa caaggaacca agacacgggc atagccaaca cgttgaacac 240
 tgactatcac gataagacaa acgcaagaat tgcaacgata tgtgaaccag gggagagcac 300
 aggtataaac ggagccaagc ggcgcatacc gaacaaacag gagcccccat gaaaactcgg 360
 caaacactag agcggaacac 380

<210> 23376
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23376

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 taacgaccaa gaaaaaattg cttttacatg cccttttggg gtctttgctt acagaacgat 120
 gtcatttcct tgccaccttt tagagatgca tgctagctat ttttggtgat atggtagaaa 180

aatgcattga gtgttcgtat ataatttttc agtcttcgat ccttccttca actgttgcct 240
 aaccaatttg gaattggtgc tatgacgatg tgtagagact aatctagtgc taaactggga 300
 gaaatgtcat tttatggttc aagaaggcga tattttggga aataagatat ctcttagagg 360
 gactgtagta gacttggc 378

<210> 23377
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 23377

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 gtcttaatgc agttcagggg ttataacagc ttgcgtgacc ttatgctata cacacaaatg 120
 gctagactat atatctttat aagcagaatg gaaaaggatc cttaccacat catggtaata 180
 tacttccgtc ctctatacta cctgcttcaa ccgatgggtc tcacgaaggt atgcaaaaac 240
 aaagccttga cacgttatac ccaccatatac tacataactg ggttgtagtc gctctttctt 300
 tgcacacta aacttgtaag acacc 325

<210> 23378
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 23378

ttaagctttg cctttagggc ttgaacctca tcactttctt ccgaagctat aacctcatcg 60
 tctctcacag tcttttagatt tgggagccaa tccagtcctt gtgttcagac tctcagctca 120
 cttatgatag ccgccgatga tccattact gcttcccta agctctctgt tctttcttca 180
 cgctgcatcc catgccttgc gaactccttg gagtaccctc gcgttgcgga cactgaaacc 240
 tcgtgcatg aaaggcgtga tgctttcgtc taatggcgct cctctcatgg ggtagccaag 300
 ctgtcttatg gtgagaacgg gattataatt aatacaaccc cttgttccca tcaagggaac 360
 attcggacat ccttcgcatg 380

<210> 23379
 <211> 416

<212> DNA
<213> Glycine max

<400> 23379

tgtaggatta tggggtaccc atcacttgtg gtactatgtg gcggtcgggc gatggtgctc 60
aacaagtttt ccacatccac aaagcgcgca taaaccacc atcccctgtt gccacacctc 120
aactgagctc acgtactccc acgtagccca taccctcgtt cctctcaaca ccgagtcccc 180
attaatectc ccaagctttc ccaacatcca agtaatacaa cattcagaca gcacaaatta 240
tcacagccaa gcaaaacagg gcaaaggcag aaaactctgc ccaaaacacc aacaaaaatc 300
acagcttttc tcaactaaag accccaataa taattccttc gttccaattc gttaaccggt 360
ggatcgactc gaaaattcta ctggaagtct ctagtacata atcctacatt gtgacc 416

<210> 23380
<211> 376
<212> DNA
<213> Glycine max

<400> 23380

tagctttctac ttatgtggca gggcgggttt ccttcacttt cttgtttcca acgcgagctc 60
tgaccactgt tcttccttcc cgcatgctt cttttcatgt ccgcctgagt gggcttatat 120
cccaaaccat acttcccacg attcccatgg gattttatca gactagttat gccgccattg 180
tctttgccta aaccatccc gggttcataa ccgttcccca acataactcg gtccatcatt 240
accgccgctt cggacagaca aggttgccca tagagggagt ccacggagga aatgctgacc 300
acctcaaaag actggaagc ggtttctaac gactcttctg cggcttacac ataaggcatg 360
gaggatgggc agctta 376

<210> 23381
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23381

ttgaggagct nctanggaag ccagaacttt gagtttcaat ggagtccttt caattatatt 60
cgacaccgtg gtgattaagc gctagacaga agcaccgatc agcatgtggc aacatccacg 120

atggaagacc ctatggaaca acggatatcc ctcgctacga gccgtggaat aaatcccgag 180
aggacgcctt ctgtctgcaa ccatgtatgg actaaaagat acaagggggg agcctaaatt 240
gaaggaagaa aaatggacat gaagtggaac tgattggtat ctttcacatg accatgaatg 300
atgatggtac acatacgtta tcatggccta atgtatagac taggaaacct ncttgagaac 360
ttcttttaaa acatttcttg caaccgcctt cn 392

<210> 23382
<211> 374
<212> DNA
<213> Glycine max

<400> 23382

agcttttaggt tgctcattga ctccagattg ctacaaagaa ggacaaagat atgtatggtg 60
atctgcagaa gaacatagac cacagactct tgcaacaggt gcagatttct gattcatggc 120
aagctgagtt actaggttga ccaaggcatc aagttttccc tcaagctttt tattttcagt 180
agatgaagat gaatctgtag ccacctcatg gactcctcta aggacaatag catcatttct 240
tgcactgaat tggtgggaga tggaagccat cttctcaatc aatttcctag cctcaacaag 300
agtcatatca ccaagggtc caccactgcc agcatcaatc ataatcctct ccatgttgct 360
aagtcctca taga 374

<210> 23383
<211> 146
<212> DNA
<213> Glycine max

<400> 23383

acctattaat actcagcttc tctgtaactt ttatccaagc actctcttgg tgttgaagct 60
cttctttcca tggcttattc tctagtggat gacgtctcct ctcaccttgt ttactttatc 120
ttgcgctgca actccatggc tgaaaa 146

<210> 23384
<211> 392
<212> DNA
<213> Glycine max

<400> 23384

agcttatgga ataagcttgc aaagaaagaa aacgataaag gaagcaagtg aataacagag 60
aattaattgg cttacataaa taactaactc ttaactaact ttcaactaac tccattaact 120
gtagttacat gagattaacc aattaaccaa ctctagttac aatgttctat gctaagataa 180
catgagtttg ttccaaaatt cacaaataat gttgtcggaa aagaatgtaa acaacatatt 240
agaatgtaat tgagactcaa acacaatcaa aatgacacaa acaacaataa gttacattgt 300
tataagcatt aaaaaatata ataaaatagt tgggttagtt tgggtttgaa aaaaatgtaa 360
acctactcaa accaattaac attgagtatt aa 392

<210> 23385
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23385

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gggctgggga cccaaagaaa gcaacacata actacaaaaa ggagttaaata aatactagca 120
tggagcaccg tacagcatct tcaaaaatca aggatttggg accctcaaaa gcaactgata 180
gcctttgcct gnggggttgag gcagtaatat gccaaactatc aaccaatctc tctccaaccg 240
tgtattaact taaccatcca atcgtggtgt tttatattcg agagaggagg ttagtatata 300
gggacaggat tgggatctta cagttgtgtg atgaatgatg atggccagcc atccttaaaa 360
aatggaaaag tggaaaaatg tcaaaaatca attctggaac tctcataaaa aaactagttn 420
taccattacc c 431

<210> 23386
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23386

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tctcaactaa gtattctgaa tattctctcc tctctccttg atagtacatt ttattagtaa 120
ctcaaaaaaa tatatttctc aatcatctca aactaacctc cttatatcta tcatttatag 180

caattataat ggatatagac ctttttggtc tccacttttc ttcagacaat tttattcatc 240
gattgcacgt gataacacat ctctttcctt cctgtgtcat aattgagggg ttgcccctct 300
ctcaactgtg cactcccatt ntttatgtac ctttctcccc ttttctttta gttttctttt 360
aaaaatatag atcccttagt ctttata 387

<210> 23387
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23387

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gactactata ttacataaaa attccttgta ttagtattca tatttgtatg ggtagtaatt 120
gtaatattct tatatttttt gttggatatt taaatgttcg tcatattgtt acctatactt 180
taattaatta taaaaaatcg ataaataaaa ataatagtaa taataaatta aaatctcatt 240
taaaatattt tataaaatat aaacataaaa tatcacaaaa attaaaatct tattcaatga 300
ttntggttct tgctaataca cctccatggt tgctaagtta acccctcttt tttttttatc 360
aaagttgtta tcaccaa 377

<210> 23388
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23388

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caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaag 120
attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gttgagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aacttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaaaa 300
catgcaaagt cgtacgtgca cacaaaattg accgaaaata ttanactana aatccgacga 360
aactaacaac attaacaaat taacacaact a 391

<210> 23389
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23389

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 atcatcatgc ttgtataaat gccaaaaaaa aactagggca aatgaagagg gtgagaatga 120
 gggagaagcc catgctgtga ctgccatacc tatacagcca agtttccac caaccaaca 180
 atgtcattac tcagccaata aaaaaccttc tccttaccga cctcccagtt atcaacaaag 240
 gcaatcccta aatcaaccac aaagtctgtc taccgcactt ccaatgacga acaccacctt 300
 tagcacaac caaaaacacc aaccaagaaa tgaattttgc agtgagaaag cctgtagaat 360
 tcacccaat tccagtgtcc tatgctcact tgcctccata tctacttgat aattcaatgg 420
 tagccataac ctt 433

<210> 23390
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23390

tctgtgtaag taatacatat ctttcattca aggctgttan gctttgctca aagtcaaagg 60
 aaactgggaa ttctctgat gaacatttaa ctctccacta tcagggtagt ggtgcattta 120
 ctttgactaa tattcttttc atatcattgc ccaatgggga tactttccat cttccgggat 180
 gcctttgaaa ttatgaatca ctgcatgat catgtgaatg taaaagggtgt ctcttgcaag 240
 ttcgacatct tgacacatca gacaagaatg aacttcataa gttacaacaa ctgaaggatg 300
 agcaaagtct ggggtgccatt ttgctcaaa agctactcat acttagaaat attacctgat 360
 gggcagactt agtatgggtg atttgtatgc attttatggt atagccctat taatttagta 420
 aatttc 426

<210> 23391
 <211> 280
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23391

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ttcgcgccgt gggtcgtcgt tgtcgtgctc gttgccgccg ttcacgccgt gggtcgtcat 120
tgctgggttc tgtgtgctgc gggtcacagc taggttccag ggtcgcgctt tgtgttggag 180
attggagggc tcgcagctgc gctctgaaag cttggagggg tcgtgctttt cattaagtta 240
ccgggtaggg ttgggtcggg tcancccatc ttctaccgtg 280

<210> 23392

<211> 421

<212> DNA

<213> Glycine max

<400> 23392

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aacgatccat acaagtgggt gtatgaataa gccgtcgtga agtagacaac gtaggaagca 120
agaccttggt gatgtagaaa gactgtggtg gtcttgtaaa gagtagaatg acatggagtc 180
atctcaagtt tgatttcaac ctgattaaag atcttgtcac ccatctgttg gggcttcctt 240
ttgttttaag gagcttgctc cctgataatt gtgagaactt gtgttttgaa ttgcccttag 300
ttgaagggtc tgcctaacca gtgtggggat agtcgcttga cttgttgagt tccttctctg 360
atgattataa ggagtaagtg tgagctacac ctgattgaag gtcttgccat acaattgggt 420
g 421

<210> 23393

<211> 380

<212> DNA

<213> Glycine max

<400> 23393

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ttcgggagcc aagttatccc ttgcatccga gccttcaacc atttatgata tccaccaata 120
acaccgttga tgcttctctt aagctcctta tcctttcttt gcaccacatt ccatgctttt 180
cggactcgtc gaagcatttt tgcattgggg tcattgaagc cacgtgctat gaaaggcatg 240

atactctctt ccgatggtgc cctctcata tgatagccta gttgtcttat ggcaagtttg 300
 ggattataat taatacaacc cctcggtccc atcaagggga catttaggaa cccttcacat 360
 gaggacaata ctccgaccct 380

<210> 23394
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 23394

ctgattaagg gaaagaaaaa atcattgtta aatgtttcta caagtcgaac tggagcttca 60
 tacttttaac aagccaagta caagttttga atttacttca ttttaaataa atgaccaaaa 120
 cttagcatct tctacttttg caaaccaagc atcaacttta atttcttggc ttgacttgat 180
 actttgacaa tgcccttaac aatatacatt actccaattt gattgaactt aagtgctaata 240
 attacatgta atataatttc acttgcacac accgaagaaa actcattgac caaatggcag 300
 cacctgatat tacttctaga atataagggtt tatttgcaaa gttaccattt caatgcatct 360
 tatcctaaag actgctttca acatcacaca cacacacaca caca 404

<210> 23395
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23395

tcaagcttct cccccaatta tctataaata gggggagaag tgaagtacaa caggggttcag 60
 ccccttaggc acttctctct ctttgaatt tgcttaggaa aattgtttcc gtgaagaaaa 120
 tccaagctga ggcgcttccg taacgttttc gtaacgtttc tgcgagtgat ttcgcaagg 180
 ttttcgaccg ttcttcgacg ttcttcattc gctcttcate gttcttcagt cttcaatggg 240
 taagtacctc aaaccaagct tttcgattca ttctatgtac ctgtgggtggt ccacattttg 300
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 ccattttatt taagtcattt ctgcg 385

<210> 23396
 <211> 426

<212> DNA
<213> Glycine max

<400> 23396

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tagtgtctta gaaagggat attaaataag aagggaattc caattgaagt agcaaaaggt 120
ttgggcaaga aatttaaggt aaaaagtttt tttcaacaaa tgtactctct ggtaatcgat 180
taccagagga tgtaattgat taccaatggc caaaactgat ttacaacagc tattaaaatt 240
tgaattcaaa atttgactg tgtaatcgat tacacacata tggtaatcga ctaccagcag 300
tttctgaacg ttttaattca aattttaaag cttgtaatcg attacacaca tattgtaatc 360
gattaccaga gcatattttc agaatatatt ctccacagtc acatcttttt atttggtgct 420
tgaatg 426

<210> 23397
<211> 377
<212> DNA
<213> Glycine max

<400> 23397

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gtgtttctat agatttttca atatagtcct tgccacattg gactcaaact tgccacattg 120
ggttgcttac gtggactgat gtgtgccaaa tagacatttg actaacggaa taaattagat 180
tttaacagca aggacttatt tgcatatctg atgtaaagat agggactatt ttgaattaaa 240
atttaatgta aggactaata tgcaaactgg ttacaatctc agggactaaa ttgcctattc 300
actcaataga actagctata aagcaaaaaga accaccacgc gcgtgtagtt aaggcagata 360
tcaacatttg gctttgc 377

<210> 23398
<211> 216
<212> DNA
<213> Glycine max

<400> 23398

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tgtgtgagct cgtacgcata acgcaagtgc gaacacgatg agtgcacaat ttgaagcac 120

cagctgtgcc gcgccgcgt cttatgctaa agcgaaggac ccaaacggtg cccgtagtgt 180
 gatgaaatgg cgcgctaata gaagctgctc aactaa 216

<210> 23399
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23399

atcttgaagg taaaatagat gccttggtta acctggtaac ccaactggcc atgaataaaa 60
 aatctgcacc tgtcgtcaga ctctgtggtt tatgctcttc tgccgaccac cacacagacc 120
 tttgcccttt tgtgcaacaa tctgaaccaa ttgaacagcc tgaagcttat gctgcaaaca 180
 tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagaac aattatgacc 240
 tctccagcaa caggtacaat cccaagtgga ggaatcatcc caaccttaga tggttgaatc 300
 cttcacaaca acagcaacaa caacaacaac cttatttttag aatgttgctg gcccgagcaga 360
 catacgtt 368

<210> 23400
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 23400

gttcaaggat aaaagggatt cccacatta ttcacatga ctcaaagtga aaaaggatga 60
 gttggaaatt ctatgcacaa ctggatcatgc atgcacctat gcggacgctc atacgttaca 120
 tctttatgga cacgtgatgc tagggctcac gatgcattga ctctatgata gatcaaccga 180
 atgtttccaa agtatgacat tttatcaatt agtgcattaa tgcaagtcca tttcggggcga 240
 ccgggggaaat tacacaggat tcacccctca ggtggagaca cattttccaa aaattggata 300
 tgatccatga agtgtctaca tagaaaagtt ggaaatcat 339

<210> 23401
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 23401

agcttttaaac atctttgaag agaaggggtg gcttaaaatc ttttaattgtc cacagtcagt 60
gcattgatgg tgcccatggt tcataacttca tactacatgg aaatagtata aactttgtta 120
gtaagtactt gtgttttttc atgagggaaa atacttgtac ttgggggcat gtcactcagt 180
ttggaacttc cttgtgactc agacttatca ccatgggggg gtgggggg 228

<210> 23402
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23402

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attgcctccc tcgcccagta ttatgaccaa ccattgaggt gcttaacctt tggggacttc 120
tagatatcac ccatggtgga agaatttgaa gagatcctan gatgccctct atggggagga 180
aaccatacct cttctcagga ttctatccct ttttagctag aatttctaag atagtccaaa 240
tctcgacgta cgaattagac cacagaaagc aagtcaaaaa t 281

<210> 23403
<211> 522
<212> DNA
<213> Glycine max

<400> 23403

cctacacctc tacccecaaa ctaatacata ctaacaagaa agagttaatt aacaatcacc 60
cccgaagaat tgagtgtgct gatgccatgc aaaccaaggc gaatcgaaca cggacagcgg 120
atacttaaac gcacccgttt acttctaattg taaatacgcc caggggaaca gagaaccaca 180
cagggcatca acataatatc atgggtccgt ctacaaagta tgcggacaat gcacccatga 240
ccatcaccac acagatcttt gacctttggc tgaataaaat gcagcagtag gacaatctga 300
agatcaagca tgtataatcc acagatgacc acctcaacgt tcaaagcaaa gaaaggcagg 360
acagaggaga taacaccgct gcactatcag gaaccatacc tgaggaaaga atgatctcga 420
ccttaaacgc ttgaaaacca cgctgcaacc agaacagaca caacaacctg atccttagaa 480
tgggtgctgga ccacgccaaa atacgtgtct ccaccaagcc cg 522

<210> 23404
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23404

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 agccagngaa ctatgaanac acaagactgt tattgaatat tatgcacaaa gccgacgcga 120
 tttcttgtca nggctgaaac acaaaatcat tggtcataac atattgaact ctatcactac 180
 acttagtccg atgtcaaagt tgacaggaac tcataacaga ccaccatctt atcaatgact 240
 gatgttaatg aacgacgatc caaagctccc ttataccgga acgcttacct agcggacgtg 300
 gcttcagtat ctttatttta gaacgagaca ctagtgatac acctgggtac atttgatgcc 360
 cctgtggtag acaattgtct tgtatcattht aatgagccaa ccaataatct aagaatatac 420
 ctacgagatc aatgggtgact aatatgggac gctactcgta cttctatagg agactagtag 480
 aacagacatg ttgcgtn 498

<210> 23405
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23405

agcttgcatt tggaattgcy aaagcccccc tccatcatta ggatttgtgc ctgccatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcaccact 120
 caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgccctt ttaccactct 180
 aattccccctt gagttcttat gaaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt aaggtaaggc tagagagaca aggaaaagg taaccaagaa aaaggctaac 300
 aatgttttta ggcacaaatg aaggaaataa aattcagaat ttaggaattc aagtaacaat 360
 ccttcattca acaaatatat tacct 385

<210> 23406
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23406

aggaagaaga agaagaaatt caagaggatg ttcanagagt tttaaaggat gtaaaagatt 60
gttatcaatg tcttgaaaat gcaagttaag gacttgcttt tatagactct tcatgtctgg 120
tcaagaaaac cattagaaga gttataacca ttagaaaaac ttgaaaacca ttggaagagt 180
tacatctttt gatttctatt caaaacttat cactggtaat cgattacca atcattgtaa 240
tcgattacac aaagcatttt tgtgaaagga tgtgacactt cacatttgaa tttgaatttc 300
aacgttcaaa cacactgggt atcgattacc aaatcattgt aatcgattac accattttga 360
aatcaattgg aacgttgcaa attaagttga aagctttntg aaaacaatct ttgctactgg 420
taatca 426

<210> 23407
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23407

agcttatgct cttatttcct tacaacggt ctcttgcacc agacatttaa ccgaaaaaat 60
gcacccatat acaatcaagg cagcttcggt acctagatta ttacacgta cctccaaggt 120
gtatttgta cttacatcac acacatctcc ttggctaaat tcacatacat gcatactcaa 180
agcattttgg ggcacaaaa attgcacatg tgcacatctt ggcatttcta atacctatac 240
atacgcaaac ttcgatga atcttgacta tctacacaat aagggtgctac atttcatgct 300
cctttttcaa gtttttgcta cctaaagccg catgcanatt caagcatatt ttcctttgct 360
gactaaaatt gtattcaa taaaaggtat att 393

<210> 23408
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23408

tgccgccacg gagtnttccg actatgctct tatgtggtgt aacaagcttc aaaaggagag 60

agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaagaa 120
 gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180
 aggcaacaag ggggttgagg agtattttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
 tattgaagaa gatgaggaag taactatggc tcgatttctt aatgggttga ctaatgatat 300
 ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360
 ccaagtggag caacaattaa aaaggaaggg agtggctaag aggagtttta ccaactt 417

<210> 23409
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 23409

agctttcttc ttcaaaagct ctgcaatttc agaattcaat ttttgatcca cttgcaacag 60
 cctgtctaata gcaagaaaag cagctgtgac ccattttgga acctgttctt tctccctggt 120
 accaagacta gaatcccatt ggtagagtag atctgaggca atttttatga aaccactctt 180
 tgaagcagct tctcgcgcaa cagcatcctc attaagaatc aatgcaagaa catgaaatag 240
 agcagcaagc atgggtattat ttccgttacc agaaatcaat ccacattcct tgatccggtc 300
 aacaataaaa gtgagaacat tagatctatt ttgaccatca ttctgagagc atatcatcat 360
 gagcaagtca cggacag 377

<210> 23410
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23410

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 aaatagctgg catatagtaa agaaagattt tattgctgca gtgaatgaat ttttcgagaa 120
 aggatcttta ttaaaggatt ttaatactac tcttgtgact ctcatccta aatctattac 180
 tgctaagact gtcaaggatt acaggcctat tgcagtttgc tctacttttt ataaagtgat 240
 ctaaaatttt ttgactagga ggctagggat agtgatacag gatattgttc atactagcca 300
 agcaactttt gtaccgggtc aagtcattca caatcatatt ctcttgcaa ctgagttgat 360

gaaggggtat accagaaagg gtgggacccc tacgtgtatg atgcanatag acctccaaaa 420
agcttatga 429

<210> 23411
<211> 391
<212> DNA
<213> Glycine max

<400> 23411

agtcttgtgg ttatttatgt actgtctagg attcacaaat tgatgtggca agtgacgtga 60
cattaaaata tgcacgtcaa ccctggtaca ggaacatgga taccactcgc ttagcaactg 120
agtcattggg ctaataagtt gttaatatat ttgaacttta atgataatgt cattgtcctc 180
ttatcaaatt gcaggtagcc acttatttcg tagcaatgaa ttatctatag ggttgctacg 240
ctactataat aagctcaaca atcatagacc ttgggctccc atccgacttt gtaaataatt 300
aggctctacc ttcatttttc atttattctc aactcactca cataataaag ttccatccaa 360
cataaattgt aataaaaagt aataaaataa a 391

<210> 23412
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23412

accttgaaga cctttgctat atatcnttgc attcactgct gcctttgccca ggcagaattc 60
gccaaggact aaccgactaa ttgtttttgt gtoctattc tccctattac agaagaacan 120
aggactaacc acctaaactc ttttgtgtct cccttctccc ttggcacaga attcaaaacg 180
acacaaactg aaagttcttt agattcttcc cattccctta tacaaaagtg ttcacaggac 240
taaccgctg agaattcttt tgtatcccca ttcacaaagt atcacagggt caaccgctg 300
agatctttgt cttaacacat tggagggtac atcctttgtg gtacatgcag agggaacatc 360
tacttggtt tgactgacaa ca 382

<210> 23413
<211> 389
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23413

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ccactcctca cgtttggttt tttagggaaa aacaccataa cttaaagcgc cgcaagggat 120
ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
ggatgaagc agtcatgga gaagaacgcg gcctctgccg ccgctgtcag ttcggctgcc 300
gaagcagacc cgactccctt ggcaactacg caccatctc cctcaaact agtaggacgg 360
ngaagggaca cactgnggca cgatggcag 389

<210> 23414

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23414

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caaatcaaa agatgtaact ctccaatag ttttcaagtt tttcttaaag ttgtaacatt 120
tccaaatggt ttttaagttt ttctaaaggt tataactctt ctaatggttc tcttgaccac 180
acatgaagag tctataaaag acccactttg atttgcattt aaaattattc attcaacaat 240
tcttttgaca acaacttttc cactttgatt tctaaatctc tttgaacttc ttcttcttcc 300
ttttgccaaa agctttccaa agttttctgg ttttccaaac cttgaaaact gtgttattca 360
tctttttcat tcccttctcc ctttgccaaa aagaattcgc caaggactaa ccacctgaat 420
tctttntgtg tctctct 437

<210> 23415

<211> 387

<212> DNA

<213> Glycine max

<400> 23415

tcaagcttgc tgagattcat tctgataaag cagaatgtac tcaagcatag tacataagaa 60

agcataatat aacaacctag gaaacacaga ttcagtatgg gatacaaata tgatatgaca 120
 tgacaagaac aagacaatat ggcacatttt aaaagttata cagatatgat atgtatctaa 180
 attctaacat ggctacatga catgaccact gattccaagt gtatgtactt cttagttaaa 240
 aactatgaaa gggaaggtgt ttatcacaga tatgtggcac taagagatat acaaacgtaa 300
 tgagctatca atccaaatga gtataacggt catataatth ggctctaccc caaaccaaag 360
 ctggatagcc gagtatttta atgaata 387

<210> 23416
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23416

caccgctaaa attgatacct tgtgataccn ttgcataccg cgacctatga atactcaagc 60
 tgctggcacc aaggatccta gattgttaca atattcgaag ngggaaaggc agtgtcctga 120
 gaacaatata acatcaagtg agagcatttg gaatgatctg ggaagatgag tccgttggcg 180
 ctatacttaa acatagccgt cgaggtaaag cggcttcacg atcctgccat cgagctattc 240
 ttctttcagc acccctctc ttggacttgc acccgctgat gatgctgctg tgatctactc 300
 cgccacgcac acccgaacc tgttgaatgc actttcgtca tcaaagacat gtgatgctta 360
 cgttgcctac atctgcacat gacaaccatt gtacctcaag aacgcattca tgtggccccc 420
 ataacttggg aatcatggcc aattatggag tgatgagaga actgacactt gagatctg 478

<210> 23417
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 23417

gagcaatgca tgattagccg tgagctagat tcatgccact gggaccaatg gaaactggta 60
 tgccctatct gctccgaatg gctgctcaaa ggacatgaat gttgggctcc tcaggctttc 120
 acaaggcacc gatgaggttg aagagtatca ttatgaatag gatgagctct tgactctctc 180
 gcatcttgca catgatgaag acgtttcgtat gggtatg 217

<210> 23418
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 23418

tctagttttg aacccttcaa cagcagaaga ttttcttact tgtccttggt cgtcaaggca 60
 atcacaaact ttggcggcca caccggcgga gccacgtcac cactgccgga cggcgagcca 120
 ccacccttct tgctttcgtg cgcggtgtct gatgagacca cagacttgat gttattattg 180
 tcattaaggt ggttggtatg ggtcccttc ttatagtgcg caccctgtc cggtgaggca 240
 attcccctaa cactcccggt gctttggcct cctctcatac cacttgaagt ctccgaattc 300
 ctaagtaaga tgaatgatat aaatatagac aacgaaagct taaccacat atgactatta 360
 tcccatatg 369

<210> 23419
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23419

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 gttgtcagaa ctaaaatgta aaaatatgta gattgataag aactaaaaat aaattgtacg 120
 aatcaaattg agaaaaagca tataaaagca cgaacatatt taagtctaatt gttaagggaat 180
 gatgatccaa ggtgcattaa gagcggaatg cacacgtagc ggacatggct ttgtaatttt 240
 tttttaggaa cgagcgcgag ttatacacat tggtagattt gatgtcccta tggtagaata 300
 ttgtgttgta tcatttaatg agccaaccaa taatcgaaga acataacaac aggataaatg 360
 gagaagatga tgggacaata ctcgtagctg tttaaagact cacttgattt gatatgttga 420
 ct 422

<210> 23420
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23420

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cagtcatggg aacaaccgtc gctacccatc atgcggcgga ggtgcttgct agtgcggagg 120
gcctgtgcc a tgccttgccg cattgactga atgttatggg cgggtatggg ggtgtacgcc 180
actgtgtctt ggttcccctg tgactttcca tgccgcatta atattcttct ctttgaagc 240
acaccaacca tatcttctct tctctttaca ttcattttct ttcaccctca caattcta 300
cttttttatc cacacataaa attntgacaa taaaagaata ttatacact ttcctttgcg 360
catgatgggt gattcctata t 381

<210> 23421
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23421

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atatatctta ggtaacctac atgctgaagc tactgatgcy ttattcgctt gngctattcc 120
ttgaactaaa gatacaatag agttgagcca tctatcattc tcctgcacca atatatactt 180
actactgcgc atgaacatga agtcctaggt tgtctacatt atgtatgtga tattgggtccc 240
tacttaaata acgtgggtga accattacat gacatgctaa agaaaactcc gactccttgt 300
accgacattc ataccgaagc catgagatat atcatttgcy accccaactc atactgtgta 360
cgtgtcttcc cattccacaa gcattcatga ttgttgatac ggatgcatcg gacatgagtt 420
atggcgg 427

<210> 23422
<211> 380
<212> DNA
<213> Glycine max
<400> 23422

agcttatgcy catatttccc tacgaatgtt cacttgca ca agacatccta ttaactaaga 60
aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
aagggtgatt tgttatttac atcacacag cctccttggc taaatttaca tacatgcata 180

ctcaaagcat ttcggggtac caaaaattgc acacgcgctc atcttggtat ttctaatacc 240
 tatacatata cgaacttcat gatgaatctt gactacctac gcaataaggt gctacctttc 300
 atgctttttt tttcaagttt ttgctaccta aagccacatg caaattcaag catattctcc 360
 ttgctgact aaaatcgtat 380

<210> 23423
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23423

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 gtgatttcaa gattcagtca acaagttcaa gatcaagata aatttcaagt ttcattgagaa 120
 gaaatcaaaa agattaaaga atcaagagaa gtttgatttc aagattcaag agaagaaatc 180
 aataagactt cacaaggga gtattgaaaa gatttttcaa aaaacaaaca tagcacattt 240
 ttgtttttca aaagagtttt tctcaaaatt ttctaagtga ccaaagtttt tactctctgg 300
 taattgatta ccagtttcct ataatcgatt accagtggca aagtttgatt tcaaaagctt 360
 ttaattgaat ttgcaatgtt ccaattgatt tcaaaatggg gtaatcgatt acaagatatt 420
 ggtaat 426

<210> 23424
 <211> 192
 <212> DNA
 <213> Glycine max
 <400> 23424

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 attatcttca acgacggcct aattacatat tataagacga atgcgaactc tcagaaaaac 120
 ggacgtgggc ttgtgcatac ctcatataat cacaaatgcg atacctggat gcataagtta 180
 aactttatac ga 192

<210> 23425
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 23425

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cgcgacctaa ccacgtatgc cataatgctc ctgagttcgt ataattggctg tacagcttag 120
accaaggact tccgcattag gcgatgaccc gtaacaggct acgctatcaa agtaactatt 180
gattatcatt agccaagaca gtttcagcca tatctgactt taaagacaac ctaatcacat 240
tatttccgaa tgagcataga tagtccaata tggccgagtg agaaattgaa accatacgcc 300
ggcggaacga agatacgaca aaaggctctgt cttattagca aaaagcctgt catactattg 360
tctaaatgcc tatactgtca cgattaccac tc 392

<210> 23426

<211> 368

<212> DNA

<213> Glycine max

<400> 23426

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tgagtggcat ttgtattggt tgttatattg gttgttgctt cttagtacat ctgatatatg 120
tattgcattc tgcattcatca tgctttgtgt gaagaaaaat ttctaagtta gaaaaattta 180
ttcaaaggca aaaactcttt gttttaatcc attatagagt tgctgtaaac gattacaaca 240
agttatctta agcatgtaga gtgtagtctc gtatcagctt aattgattac tgatatcttg 300
taatcgatta cactgttggt tgagacaatc actacattat tcagaagtct atgctttaat 360
taattacc 368

<210> 23427

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23427

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caaccaatcc attgagagtg ttaatgagaa ggtctacatc atcaagtggg gagttgatca 120
tggctagttc atcacataat gaattaattc catgtatact tttagtcatg gagcgagagc 180

DECLARATION

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<223>      unsure at all n locations
<400>      23428
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<210>	23429
<211>	450
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      23429
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9810

aatttctttn tgtttagttt gtgtcacaag

450

<210> 23430
<211> 389
<212> DNA
<213> Glycine max

<400> 23430

agctttatatt tcatatccct cttgtaagac tagacctaga ctaatcaaca ttactgtgac 60
aacacaatta aaaccaaacc taaatccgca gatcctactc tgaagattaa gtatcgatac 120
tgctacaatc aagttctaaa gcaacagtaa cattcccaat gctaaagaca cctaactatg 180
cacacaaatg gatgatcaga ccaaaaagcat acaaacatta agcattgaag gaacattgaa 240
tactaaaaac atagatcaat tagatatcag ggatctacat cagtgcgtca tttgaaaacc 300
ccaactagcg cgttgtgccc gccataacaa agaaacccaa acattaataa tcttacaaaa 360
cctagggtgc aacgcacaag ctacacctc 389

<210> 23431
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23431

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acttaatggc tgagtgtaac tgaaattgtg gcaaccaaag gtcaccccca acagccaaca 120
agtcagccac catttggctc cccaaaaggc tgatgcctaa gttgccaatt gggcccttat 180
tacaacttga actaaaccta ctaaagccct tttagttgat taacccaaaa catatttttg 240
gtcagccaac ttataagga ttggaccatt atttagacaa actaaacact ctaaaattga 300
gacaaagtgc tgccatttag tctcctcca tttgggcat gatacaactc acaaccttgg 360
acttttctcc ttgaaacttg ngcttgatt caaatagtat ggacaacact tg 412

<210> 23432
<211> 366
<212> DNA
<213> Glycine max

<400> 23432

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 caaccttgct tatatgttac atgggtgactg atgacatatt caaattatac agctatgact 120
 tggacagtac caaagaagaa agagatgcta tatgaactca gaataggtaa acatatatat 180
 aggatccaca aattcatgct cgatccatca tgtgtctcca gcaattacaa ctttaattcgt 240
 gtgtacttcc ctctacagtt tgacgagtga gcataatgat gctctgatgc aaaagcctta 300
 acagcataga ggagtatgag aaactccgca cacaatgccg gcaactacta aagcacaaca 360
 atggga 366

<210> 23433
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23433
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 gcttgtaaca aatcttctac acttggagtg atcacctgca gtcctcttga acccttacca 120
 cccactttgt cataatgccg agactcatga agcccaacag gtttagcctt ctctaagtat 180
 tctgaacaaa attcaatggc ttcttctgca atgtacctct caacaataga tgcttctaga 240
 cgatatagat tctttgtata cccttttaag atcttcatgt atcgctcaac tgggtacatc 300
 caccgttgat aaacaggacc acaacatttg atttctctga ccagatgcac aatcaagtga 360
 atcatgatgt caacgaaagc agggggg 386

<210> 23434
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23434

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 cttgagattt atgggtctca catacactct ataaagaata atagataatt atcgtgtacc 120
 ttttctccaa taggaatctt gctctgggtg cactctgaag aattgagaga atatagcgat 180
 ttccactttc ctcttggccc tttcttttct tgtctctctt acgntcgtga tggctatgtg 240

gtgagaaaag agcacttttt ggtcaagaac gggaccttat ctcacattag cgggtattaa 300
 gcccctttta taaccactac tctcatcaag tagcagttta tctacaaact tctcctatta 360
 agtccaatta caa 373

<210> 23435
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23435

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 tacgctaagc gcaacactac tgagctaagt gcgaggaaga ctctggaaga agatgagcaa 120
 tacagggctcg ctaagcacac cgctgaatca actaagcgca ccgcttaaag acatctgcta 180
 agcgagaaaag gcgcgctaag cacaaaaaac actaatgtgc gctaagcggc ccataagtgc 240
 gcatagcgca cgagcactaa caaggccacc tattcaagcc tgaaaacaga actttcgaag 300
 agagtctgga ctaagattca gagcttagca tgtctaaggg ttccagagag ag 352

<210> 23436
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23436

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 cccganaang atcctggaac agggctctaa agtagtccta gcctgcacct aagagttact 120
 aagagggtcca tgacattaag aagatgcttc ggtggccgaa tctgaagaaa atacgcaatg 180
 agttcgcttt gttgcctagg gatcaciaaag ctaagataga gcaccagaag cctcccggga 240
 agttgcaacc ttacagata ccttgtgtgg aagtgggata acatctccat ggattttcga 300
 ggtgggatta cctacgaccc ccaaagggtt aaattccatt tggggatttg tagacaggtt 360
 gacgaaatct actcacttca tcccgaataa catcagatat cccttaaaga ggttgactag 420
 cttgtatgcc actgagatag ctaaactacc tgggtgctact tctatcatag atattgaaag 480

<210> 23437

<211> 534
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23437

acccgcaaca cacaccacaa accgccatac cgcacagcac ggagaaaaat aanacanaaa 60
 kannnacaag gaggaaatgg agcgatgaan acccacanca anggcgaana cgcacccgga 120
 cccgaggagc caccacaggc acgccgccgc atatcagctc aacaaaacna aanagccgg 180
 caccagagca gctgccaacg gcacccaac ccacacggga caaggccac aacaggaaac 240
 gaagaaaacc ccacggagca ccgcacacac caaacgggca acaggagcaa aacacgagaa 300
 cccgaacaag acgagcacga cacagacccg ctgccaacga acaaagggcg ccacacgacg 360
 cgaaacaaca gcacacaaaa cccgcagaca agaccgacac ggaagacgca ccacaaggca 420
 cggccaccaa cacccaaaca gcgacagacc ccaacgcacc gcacgaccac cacacgaaac 480
 ctaccggagc acaaccana gagagaccca cgaacgaacc cccacacgcg cgcn 534

<210> 23438
 <211> 272
 <212> DNA
 <213> Glycine max

 <400> 23438

attgaacaac ctttattcac acctttcaaa gttagtgaga atgctaaaag aaaaatttag 60
 gaacttagaa taactaactc cttaattgaa tgcgtaggtg acaaccatag tgaattacta 120
 aacaagattg gttgttgact taaagtcatt ccagataccc cccaagcctc ggaaaatact 180
 tctaaatgg taactagaag tacctcctaa ttaatcaata tcattaatga agatagggac 240
 cagaactcag ataacacaac tgagatagga tc 272

<210> 23439
 <211> 349
 <212> DNA
 <213> Glycine max

 <400> 23439

ggcgaaacga cccggacccg cgcacaccta caacgaccgc acgcattcag ctacgagagg 60
 aggtcacaa ccacacgagg ggcacgacga ggtacgactc tgcccggacc gcaacaagga 120

gaaaggcgcg gaacatgcmc accaccacga ccaactctcac acacaacggg acgacgcagc 180
 tgcgtaccac acatcgccca agcgaccaca actcggacct caccaccacca aagtgtcagc 240
 cggccgacac cataccgaca cacgtgagac gacaagcggc tcagcagaac actgacgcta 300
 cataccaacc tgcagggata gtgcgaacca gacacccggc ggacccgga 349

<210> 23440
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23440

atgcaaacia tagaatccac atgttgagga attttcttga aaacctcggg ggtgttctta 60
 aagcgcgatt tgcagaagat ccacaaatta atcaagtctt agaaactata gatcaggagg 120
 tatgaattta taattcaact tattcaacga tttaactatg atatgatact ttacaaagaa 180
 aaaacattct tttaatttag gtacctacaa atgggtctac tagtaaaaaat catcaaacta 240
 caaacaatct caactagagg tgagttgaaa tttaataatt aatatgttga caataccatt 300
 tttgttagca tatggtataa cttgtagtgt atccgtacta tctatgtatg tagtaagtcg 360
 acatttaata attaatatgt tgaaattttt gctatttgag gaacatgatt tagatg 416

<210> 23441
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23441

tcaagcttgt aattgncnaa ggcnaagtgt atttgggtag acattttatg cagatccaaa 60
 ttgatagtat gatgactata gagaatgaat gataatcaac ttattggtct gctgtgatga 120
 tatgcaacct actgcataca ttggtgtggc aacccgccaa tgtataggga accatagtga 180
 aggaccatg ggtggtgatt cagagtttag ctgctgaaat acctaatat aggctaaagc 240
 aagatgcaat gtattgaatt attatttgag agtctgccaa tgtaagggga aatagagtga 300
 agccactaca gacatgtttc ttaagggagt agcactgttg tgaatcttac attgag 356

<210> 23442

<211> 349
 <212> DNA
 <213> Glycine max

<400> 23442

catctactat gaagtgagcg atgacgttct tctatgggtcc attatccact tctgcatgaa 60
 cataggccta gagaagcaaa cgaatacaga gttgaataca aaccgaggcc tacttgctgc 120
 ccttggggcg acatacttat gtttccctga cacttataca actatatgtg tatagtatga 180
 ccttttgagg gtgacataag atgcgtgcag accactcttt tgatcgagga attctggtaa 240
 gaagacttct ttatcctgta ggcgactagt aatccctaac taatgcgtga tgggtctatg 300
 tgcacagccg catgtctatg agatggcatg cacatattca ccgtgggac 349

<210> 23443
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 23443

ttgcatgcaa gcttgtgaca ctttcttcag gactagatcc ccctcgctga acttgtgcgg 60
 gcgcaccttg gcgaaaacat tctttactcg gcatagatac aatcggttcat ggctcatggc 120
 agccaacctc ttaccttcta taagaatcaa cttatcacag cgagattgtg atatgaatcc 180
 tcatggcaca agggctgact caagatcgtc tacgattaaa acttgatgga gaacgcggac 240
 attgatcaac gaaaggacgg aaaat 265

<210> 23444
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23444

tattatagtt ctttatttat tgaggatcat aaaaagttta agtcatgtat gagagacata 60
 acaacttctt tcttgaacaa aagttgagag aggaaatggt gataaaaactc ttttcattaa 120
 aaagtcctct cataacattt tacttggtgca agtttatatg gatgacatca tttttggttc 180
 cactaacaaa tctctttgtg aagattttgt gcacaagatg tagggggaggt ttgaaatggt 240
 aatgatgtgg gagttaaatt actttcttgg tctccaagtg aagctagtgg accatggaac 300

atttctctat gaagtaaaat actacaagga acttttcana cagtttgaga tggacnatag 360
caaggaggct acaactcata tagctactaa ttgctacct 399

<210> 23445
<211> 314
<212> DNA
<213> Glycine max

<400> 23445

tttgtattct agcttatcat ccagcccctt ctaggaogcg cccactcttt ctgatgggtt 60
cctgacactg ttgaagtctc ccagctagca ccataggcca cctaacttag gcttttcagc 120
tgctctgacc gagccccaga gagctctctt gttatgaaca tcacatggag catatatgtc 180
tactatgtga accttctgag cctagtgagt caatactcct tccacaataa taacccccct 240
gccagtaacc ttattttcca ctttgaaagt gttcttactc cataagcaca gcagtccacc 300
tgatgatttg atgc 314

<210> 23446
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23446

agagcgcgaa catttgaaac ccttgtggaa acccctggan anccanattt tgaaacctta 60
gnaanaccng ngacactann agaaacncca gcttcttcaa nnagccttca gccggcaccc 120
gacagcgggtg ttacgaaccn ccacactcta atcgcacata accgaggaca atactcacia 180
acccccgaca aaccgaaaat gtgtgaagcc cagggagctc aaacaccccg agtttggtcc 240
taataaaccg aaatctggca gaagagaggg gctttgagag aagaactgcc caccgaccct 300
gagctggtat gtgaccaca gagattggtg cttagaacat tttcccttac aaagaagaga 360
ttgatctcca aatcgctgaa ttttccctat gaacaatagg tttatgtgct cgtgccataa 420
cgctttgatt atcacagaga atgagaggct tgggaagagg aacaccaagt tcttgaaaga 480
acgcttgaag cccg 494

<210> 23447

<211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23447

 agcttgagga ttgtgtacct tccagattgg atgggttatcg ttttcaatga cttagtctct 60
 acgcatttcg tccttggggg ttgtgtaccc tttgggttgg atcattccca atccatagct 120
 tagcccttcc gattcgtgcc ttgagtcgaa ccttgccctca tcatatctat gtctaattcta 180
 attatctcta gaggcctaaa cgcaccataa aatcgtcata gacacaatta atcacacctc 240
 gagaatcttg agatatggga gaatattttg aaatgtcata atgcattgac tcatgaatat 300
 aagagaggat acacatagta aatgatgata aatagtcata tctttgacct aagaagacaa 360
 gtngagcaat acaatttgct tgagtactct g 391

<210> 23448
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23448

 ataaaatagg ggatggaata gcaatgtccg aaatgtcaaa actatatcaa ctaattagaa 60
 ccagatctgt gtatgttact tttgggctgt aaagactaat taaggataca gggatgttgc 120
 ttctgcact tcccaagttg cttcctgtac tccttcagga atattttttt gaccttctgg 180
 gttggtcatt ccataagaca aaaagagaat gcattcaaga aagtaattat acatttcgga 240
 ttgatcgttc tgaaaagtga aaagggagtg caggaaacaa ctaggaaatg caggaagcaa 300
 agtcctaatt aatggagcac tagaagaaga agttcggcct aagaaaaaaaa atgggtgtatg 360
 gaccgtaac catgtgctca ntttggttct acaacctctg atcctttctt ttacattt 418

<210> 23449
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23449

 agcttatgtc actacaacca aatcttgcct tcaagttcac caaagctaac accctcgata 60

atcgtgtgaa ggttgtgcat cccatatata atggcttctt agaatcaatt tctaattttt 120
cataataagg tgcattgtgt tgtctaaaac cctcttgccc aagatcgct agtatgtctt 180
ctgtacggtc tgcacttg acatgaactg cctcagtcgg agggactgtt gttgtctgtg 240
gtaactcacc atgccatata cattntgtat aagtaggact gatactgtca catataagat 300
gtgctctaata gtcattcaat gactgtagtc tcatgttcag acatttaaca catggacaca 360
gatactctcc acccatttct cctgca. 386

<210> 23450
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23450

tgagacttca aagaaggaca acaagnntgt ttttaattatt gctgaggctn tttcttggtta 60
tggtaaaatc taaatgggta ggacctttca taataaaaag ggtgaagcct tatggagaaa 120
tgagagattga agatccttcc aatcaaagaa gttggatagt aaatgggtcaa aggctgaaac 180
catatcttgg tggagaattt gcttggggaa tccttgatct tccttaactg tcaacctagt 240
gatgttaaata aagtgcctat gggaggcaac ctaatcttct ctcttttctc ctttattttt 300
ttgttagtta attgcttggg ggaagaagggt aagtataaga cttgtgataa ctgtagcagg 360
ggttaaaaat tgctatggcg aattagttgc aggtcttttg caataccatt cattgcag 418

<210> 23451
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23451

agcttctata taagctgaac cattttatca ataaacacaa gttgagtttt attcagaaaa 60
ttagagttta tctcttttat cttagtga gtagttctcc taaattcttg agtgattcaa 120
gaacaccctg gctgtatcaa aggacattca caacctttgt gtgttgccct cgctggaaag 180
agtgattctt tccttcctt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
ttcacctctg ccagaaatta tctcgtggcc acaactccca ttttacgcac tcaaattaag 300

tgattcttga gcctaaattg actttcaaaa ggagagctnt cacctcgttt tggaatcacc 360
 tgatttggag ccctgtagct tcagtta 387

<210> 23452
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23452

agagagatca aatttgatac gctagtagat accttacgat atacaatact cattgcttta 60
 catgcagatn tntagtaatt gaaccccact aacctagata ttataaataa ctttaattgc 120
 cattaacnct tagggtaatt ataaaagana aacttatatg ngctcgtagt gtacactctg 180
 aaatntggtg gcanactcat aaatgtcaac cccctcaaca atgccaacaa angtcaggcc 240
 caccaatttt ggctcttccc aataagggtt tgatgcacta gtgtttgcca aattggcgcc 300
 ctttatttac aaccttgaaa ctaaacctc aactaaaagc cctttttagt tagattaaac 360
 ccaaaacaaa tatttttggt caagccaact ttacaagtga tttgtgccat tatttagaca 420
 aaactaaaca ctctaaaatt gagacaaagt ggtgtcatta agtcctctca tttgggccat 480
 gatacaactc acaaccttgg acttttctcc ttgaaacttg gcttgtattc aaatattatg 540
 gacagcactt 550

<210> 23453
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 23453

agtttctatt tgttcctgta gaaaactgat ctgatatgtg aatccaatag aagctcacgg 60
 ctgctctgct ccgcgactcc aatatagcat gctattgact actatgcaca tataactaac 120
 caaaacaaga ttgtaaatat catccctca cgatgcttac gagaaacttg gtgtgtattt 180
 cataaagact caaactttat aacaacatca caaaccggc agacagggtg atcaaattca 240
 ttatacctgt atgtataggc acataaaggc agaaacagtc gaaataataa cagatacaac 300
 attatgccaa taagaaggga ataattttac gttaaacaca catcattcat ctagataaca 360

gataat

366

<210> 23454
<211> 410
<212> DNA
<213> Glycine max

<400> 23454

agatccataa cttcaagcac tgacgttggtg caaggtttgt ggaatgcgcc ctggcaactt 60
gcggcgagac aagttgagaa tctgaatcga acttgcatg caaattgagg aagagaagcc 120
accagtgatc gagttaaacc taagatcaag gtaagcgagt tgttggttcc aggagaattg 180
gtccaatgat tgcgtcaata ggttatgaga gaggtccaat tcagataacc atgagctcgc 240
ttcatgcaac caattgggca ctctaccttt aagtttggtg ttggacaaat ggagtgattt 300
caaaaatggg atttttcctg ataattttgg aaattcagtt aaatccatag aagataagtc 360
caatctccat aataggcggg agagattata ctcgacattg gatttgaatt 410

<210> 23455
<211> 321
<212> DNA
<213> Glycine max

<400> 23455

gacccccaa gaggcctcgt cagaaagcct cggcgagggg attcatgaga caactaaaac 60
ataccactgg attgccatgg caattatgtg gtgcgtctct gcatgtccta atgcgcttgc 120
tgtctaggga taaatgcaag cccctatgac tatatactgg accagggcat tgggagctga 180
cccgtgcga aacttggttg ccaccctcag actcgccctg cttatagtat aacacaccac 240
atatgatgac gagccatata gctcgagacg agcccaaacg atgacatata tgccctgcgg 300
gcacactaga gactgagcat g 321

<210> 23456
<211> 357
<212> DNA
<213> Glycine max

<400> 23456

caaccaccca tcttgtcgta atagaacacc tgtcatgcgt ccattatcat tgttatcatc 60

tccctttcca tcattggggg cgctacttga actgccagat cccttcacct gtgggcgtat 120
tctatgctca tgtctctaaa caaatgaatg tctcaccaac caaactaaca taaaatggaa 180
aattccgaat ctctttttta ctctaaaaat tataatggac gtctactgca ttaagtacaa 240
gggaaaaatc acattggatt ccagagaaaag ccttaacagg aacacaattc taacttatga 300
gattcaatac acataacggg caaaagctct acaactataa tacattaaca tctcata 357

<210> : 23457
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23457

gaaacacnng ggctgccaga tcctccacc tttgggcgta ttctttgaaa gacctgtgcc 60
cacattctgc acatgttctg atattgcac ctatccgaag ccattatact gacactgcct 120
aacgaaggca accattaggt cttccaaga atggactcgg gaagggtcca agttagtgt 180
ccacgtaata gctaccacag taagactctc ttggaaggaa tgtatcagca attcctcatc 240
ttttgcgtat gcccccatct tccgataata catctttaga tggttcttgg gcaagtagtc 300
cccttgact tgtcaaagtc cagcacct 328

<210> 23458
<211> 377
<212> DNA
<213> Glycine max

<400> 23458

ttcccatgcy acatattggac ataaaatacg acttagcatt tggacaaggg agccgctgct 60
ctcatcctct acaaagctat cctcaccctt ttcattttgg aaaacgagaa gaagataacg 120
cgatctggaa catcccatct ccctcataga ttaagtcaaa aaaagccgat acagggacat 180
aaacaagcct tacgataagg gctccgcaat taaataaaca aagacaacta agtgtattaa 240
aataatagac tgataaaaaa aatacagacg atatttcac tttcatctg atagagaata 300
aaccagagct cgcttcataa aaaataaaaa ccaaccaata atatgcgcga gcaccctaag 360
ataaaaacac gaaagcg 377

<210> 23459
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23459

acactatgaa actaagcttg taaagcccct ttaatgcac ttttcngcat tttttgaggt 60
 gttccccaca tttgttgctc aatgggtttac aattccgtgc acgtctatca aaacttggtt 120
 tgtagcactt gcatataaat attgaagagc aatgttatat cttttcacta ttctttctcaa 180
 tgttttatga aaatgatggt aaatgacata gtaaataatg tcatgttttg acatttttaa 240
 aagctttcaa tactttttgt tatcgtctaa taagtaaaaa agatttagaa ttatttttaa 300
 aaaaatctct gtccaatgat aaagagtata aaggtaaata aaataagcat gtaattgcta 360
 ataaaaagtt aataataaag aaatgcgant aaaataagtt tatacacaat anaattttaa 420
 attattataa ttt 433

<210> 23460
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23460

agcttctaga ttttcgatat gaaaacatgt agtttcatgt tctcttcaat taacgcataa 60
 tacattttac tactttctag tggtgcatac caagattact caaatatcac cttaggactc 120
 ccacaaaaat ttagtttagg acaataaaaa aataaactta agcatacatg ataaattgta 180
 atataactat tttgcaacaa taagtcgtat gatgatagta ggatgtcatc gacatataat 240
 acaaaaaataa taaatttact ctcatgaac ttttagtaca cacaatcatc aaccaaattt 300
 atctcaacac cataagagat aatctagatg aatttttaat accatagacg agagacttgt 360
 ttaaagcata aatgaattt 379

<210> 23461
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 23461

gctcgcatca tgttgctgga caatcatgta tgtcaagtct atgtaaccct tttgtttttg 60
 ttttggctat gctggtttgc agtaagaagg cgatcaaacg agtccggtgc cggctcaggc 120
 tactcaagaa caagaggcag gcaatagcaa ggcaactgag aaatgacttg gttgagctaa 180
 tacaaagtgg ccatgaagaa actgcattta accaggtttg ttagttaatg ctacatactc 240
 atttgttaac cactgtttgc ataagtatat tcttcatgc tctgtttttg cttcttttct 300
 acttttctt tccattaagt atgagtatag ggagatggct ttacataaac aaagttgccg 360
 ccactacata ctgcccccat tttatcgcat agactgccca ctaaaccctt tctatttcta 420
 tacg 424

<210> 23462
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 23462
 agcttaattt gttaggctcg tatcagttta atcaattatg gtagtacttt aattgataac 60
 actgtttgtt gagataatga ctgatttttt cagcagtatc tattttaatc aattaccaca 120
 tgtattaatt aattacttct ctattattta agttgttctc aggtgaacat gaagacttta 180
 atcgattaat taggtcatct aatcgattca agagttaagt ctcgtatcag tttaatcgat 240
 tatggaagta atttaattga ttactgatgt cccaataatt attcctattt ctttaaccctt 300
 tttgcaccat tttaagtact gattagtctt aactgtcaaa ttaattaggc agttttatta 360
 tttgggccca ttc 373

<210> 23463
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23463

taagattcta gagatcaact ttatcttata tcttgatttt cttggattct tgtattcttg 60
 tcttgaataa aacttagaag cacttgatcc tttggcatcg tccaaacatc aaaacatctt 120
 gcttctacat aggagtcatt cgacttaatc catcaactaa aaatccttca actatttctc 180
 gtccttgggg aattcttttt gcaagaatca actacttctt tcattcttcc tcactacgag 240

caaagtttga tttcaaaagc tttcaactga atttacaacg ttccaagtga tttcaaaatg 480
gtgtaatcga ttacaagatt 500

<210> 23466
<211> 385
<212> DNA
<213> Glycine max

<400> 23466

ttgcatgcaa gcttgaagag gatgctttaa tggaggaaaa gaaagagaga agggggggagc 60
acgaaattga aggaataaaa gagggagaga agtgggaactt tgaagtgtgt ctcataagac 120
tctcattcat caaagttaca acaagtgtta cacatgcttc tatttataga ctaggtagct 180
tccttgagaa gctttcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
agaagctaga gcttatctac acacaccctc ctcataacta agctcacctc cttgagaagc 300
ttccttagga agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta 360
agctcacctc cttgagatga gaagc 385

<210> 23467
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23467

agcttaaagg agaagttggt tttctgaact ctaaactgga aaacatgaca aaatcaataa 60
agatgctgaa taaaggctca gatacgcttg atgaggtgct acagcttgga aagaatgttg 120
gaaaccagag aggacttgga tttaatccta agtctgctgg cagaacaacc atgacagaat 180
ttgttcctgc caaaaacagc actggagcca cgatgtcaca acatcggtct cgacatcatg 240
gaacgcagca gaaaaggagc aaaagaaaga agtggaggtg tcactactgt ggcaagtatg 300
gtcacataaa gcccttttgc tatcatttac atggccatcc acatcatgga actcanagta 360
gcagcagtgg aaggaagatg atgtgggt 388

<210> 23468
<211> 445
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23468

actatacaat acttaagtgc ttatgaaacg tattgtgcgg cggcatagtt agattctatg 60
aaagagtcta cccctttctt ttctttcttg tagatcgtga tgggtggcgca gctaatecat 120
gatcgagtgg agatggagtg cctagaggga gcttgggaga ccctcgaagg caacacgagg 180
tgccgatttc ggggcacatc tcgattcacg gctacttctt tgggtgcatcc agatgaacct 240
gcacggacgc ttcagcgcac ggtggagtgg atactacca cgcctacacc atatcgtcta 300
gtggagcccg tccaagtgat cgaggtaacg tcatccgagg aagaccctga tgaggatctg 360
ggggagctac ctcccagacc tgctgtggaa gcccttgact ntctagaggg tgatgaggat 420
ccacttcctg aggtggattc tcccg 445

<210> 23469

<211> 392

<212> DNA

<213> Glycine max

<400> 23469

agcttaaagt atgcccagat cattcatccc tatgagatgt tgttgaagta ttggcgatca 60
gaattgccat tccttgatt atagggttga accaagctca cgcttttaca aaaagggttca 120
tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcgtc tactgcaaaa catatttagg attattgatg tccttggtac 240
ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatctt gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tgcattcatg 360
cttttcattg gttgcattgc tcgttgcatc ct 392

<210> 23470

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23470

tgtacgaatg taaganacat cttctttgac cttggtgttc cttgactcca tctcattgaa 60

tcgaatgtcc actagtaact ccaaagtatc aaacctttca ccaacaaagg tttgaagacc 120
atcgaacctg tccaaaatct tttgaagaag agaggaatct tctccaccat gtaaagtgtcc 180
ttcttcatca atgggttgag cacccttttt cacccttttt ccatcatgct ctttacggta 240
accaaaggat gcaacacaac agcgcctatt agaaaggatc tcttgattgg aacataaggt 300
tcagaatcaa gaggaatgtt gaagtgttga aggaagagag tgactaggtg tggatatggc 360
aatggagcat ttaatcacia tgccttatgc atgcgatatc ggactaagtg tgcccaatc 419

<210> 23471
<211> 386
<212> DNA
<213> Glycine max
<400> 23471

agcttgtact agtcatatat atgttacaaa acaacgaaag caaaaaattg aatcgattat 60
tgcagataca gaaatactta acaaacctg gcaattaggg gttttgcggc tttttgcaaa 120
ttccgcccac gtttctggat caaggccata cttgactgta ggatcagata tttgctgacc 180
ttcattgtca gcaaagacaa attttgaagt caatgaagac ttaaattgcc tccatcttgc 240
tgcaactgtt gacatcacct ttttttttgc attttcacct tcagggatat caaatttggg 300
ctgcacaaca aaaggagtta tgtaacagta tgtaaataaa tcctttataa gtaacttaac 360
aacaaaatca tgaatacaag tgtatt 386

<210> 23472
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23472

ctatacaata ctctagctnt actatgcana gaataaccaa ggaaaattcc ttcatttgac 60
ttagctttta attttcctaa gttttctttt tcattgttta atacaaaaca cttgcaacca 120
aaaacatgaa gatgcgagat gtttggtttc ctaccattga acacttcata tgaagttttc 180
tttaagatgg gtcttattaa agccctattc atgatataac atgcagtatt aacggcttca 240
gcccgaat attttgaag aggagtatca ttcaataagg ttctagcaat ttcttccaaa 300
gacctatttg tcctttcaat aactccattt tggtgagggg ttcttggtgc ataaaagata 360

tggtcaatgc catgcttatac acaaaataaa tcaaattctt tattttcaaa ctcaccccca 420
 tgatcactcc taatagatat aat 443

<210> 23473
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 23473

agcttattgt ttgaaattag tttgtaggaa atagttgtga ttcaaactat tataataaat 60
 cccgttgaag aatattttgt ttttaattgt attagtttat tttagaatat tatgctgatg 120
 gtattaaatg aatcaatttt actactttga gacatttgat aatattgtgt taattgtatt 180
 ggatatttgg atgaatcata atataaaata gtagttctaa gaagaaaaaa aagaccaa 240
 ttaaattggat aaccatttgg ctcgaaccaa accaaaacgt tcatgaatag gttgggttgg 300
 attgggttta aataaaattg tgaaaaccaa actgaaccaa accgatcaaa tttgattacg 360
 ttggatcctg aatttggcca aact 384

<210> 23474
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23474

ctcatgctga gctgaagttt gagtgtgctg aaatnggctt tgaatagcaa tagacacatt 60
 cccatgcttt catttactgg aagttcaaag gtacttcata tctctcttat tttgattaaa 120
 cattgtaatc tttattttta tgtgtttaca acgtacatta cattttcatg atagtatttt 180
 tatgttaaga cctctactag ttagctaaca agtgtagttt tttataattt tttgtaattc 240
 atttttttgt tggttccatt ggattttatt ctaaatacct attcttattt tataacatat 300
 atggtagtag ctgtaacata aaaattggta ttgaatctta gggtatgctt cttccccac 360
 caattattct ttttagttag aataattatt atagattttc ttcttaattt atattataa 419

<210> 23475
 <211> 385
 <212> DNA

<213> Glycine max

<400> 23475

agctttaaat tgtagttaag actgcagaca acttctgttc atgtttgaag tttgatagaa 60
acacagatgt tagctatagt aatatgagga aggctgcttc atgagaagat ttgactgaca 120
actatttatt ctatccaaaa gctgtagatc ttcagtacaa ggatttaagg cattttcagt 180
ggcattggga aaagggggag cctgtaattg tcagcaatgt gcttgaatgt acatctgggt 240
taagctggga atcgcttgac atgtggcgtg cattacgtca tgtaactaat accaagcatg 300
gccaacattt ggcgagaaaa acaattgatt gcttagattg gactgaggct tgcttaattt 360
cccaatcttt aactctattg accat 385

<210> 23476

<211> 427

<212> DNA

<213> Glycine max

<400> 23476

caatgaggcg acaatgaaaa tacctagagg tactacctga tattttgtat gagctgctcg 60
ttatattgtc gattccaact gcatcgatgc atctttaaca agcataccac gaaccagagc 120
agcaaccaag ttgaccttct ttggactcta aaataccata gaaaacaagg tatgtaaaat 180
gtgcaactag tcagatatta gtcagatcct tcttaaacca taaattaaga cattttccac 240
agcaagccag ggaaggcatt tcaatggcta agaaattaga tgccaacttt tctgcaaaat 300
aacatgttgg ttaaaacaca gaagtttctt agcaagtagc taggcagtgg caccacatag 360
atgtaacaga acattggaat tattcaatat tcatgttata gctaagctga acatacttgt 420
gatgata 427

<210> 23477

<211> 340

<212> DNA

<213> Glycine max

<400> 23477

cgcattctag cttcccgtat ccatacttgg aaggatctga ttaccgcctt cctaaggcag 60
tatcagtaca attctgatat ggctcctgac cgtactcaac tgcagaatat gttcaagaaa 120

gatggtgaaa cctttaaaga atatgcgag cgatggaggg atttggcggc acaagtagct 180
 cctcccatgg ttgatagaga gatgatcacc atgatggtag acactctgcc agtgttctac 240
 tatgagaagc tagtgggtta catgcacgcc agctctgcgg atctggtgta tgctgaggaa 300
 agaatcgatg ttggattaaa aagaggaaag tttgattacg 340

<210> 23478
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 23478

gacctatgat actcaagctg ggtccctttc tttgtgacat tttctttcac tattttaatc 60
 actctatacc ctacattcat aggggtagaa gataccacaa ataccaactc aatgatcagc 120
 aatgccttct ttatgtcatc aaatactaaa ggatggaatg gaacacgctg agcactacat 180
 cactctcaat tgaatcaatg ttttccaagg ttatgacaat caactaacct acacttattt 240
 ctcacgacgt tggatacaac tttacagtct ttacactgcc ctccataaag agacgagaca 300
 cattcattca gcaagattta tataattcag tctgataaac atagaagaca atttttattc 360
 tctgaaattt acagaacata aaatacaaca aacaaaaatg ccgatgatga ttctcttaca 420
 tgttgatgat atatct 436

<210> 23479
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23479

agccgtgtgg ggnnttttga agtcgatggc ccgatgcnac actctanggc gacatggaac 60
 tcggagctcc gtgatactct atactcagct tgcgccttct gcttgacaga ggattcgtac 120
 atgtggatgt tgctgctgta ttggcgagac cacttaccgt tccctggata attaggttgg 180
 agcctacgaa acctttgaca cataaggtga tgagctatag tccaaatagc aacttgacca 240
 atttgacccc ttcccgcaca taatgagtcg atgagcatct gtgatgtacc tactgacgcg 300
 aacatctggg agtattgatg tccttggtac ttacaccacc accctgagag gcatgtggtg 360
 gactatgcag aagaaataaa ttgagacata ccgatatggt gcgatggaa atccgaatac 420

tataggtgtg caatctatca catgcgttca tgcgatgatga cgtgatggct agcacgggtct 480
atggtn 486

<210> 23480
<211> 174
<212> DNA
<213> Glycine max

<400> 23480

cttcaccaac ccttgtttgc agaccatcga acctgtccga aatcatttga agaagagagg 60
aatccatatc caccatgtga atgaccttcg tcatgaatgg gttgagcacc ctttttcacc 120
cttgagccat catgctcttt gcggctccca aaagatgcta ccctacagag ccta 174

<210> 23481
<211> 383
<212> DNA
<213> Glycine max

<400> 23481

ttaagcttgc tggttggttc tcaacattgt gaggaatcac gtaacatagt accctttctt 60
tctcacctat cttttatctg taagtacttt gctactcctt ttaattgtta acaattctta 120
acttaaatag aaaatataaa acacttggat caataatggg gtgtaatagc taggctagtc 180
taccgaattg cagcaagtaa tatagaggta agaatcaaca gtgtggacaa atcgcaacta 240
aactagaaac tttcatttgc agttagaaaa ttgcacaaaa atacggggaa gttcagaaaa 300
cagggataaa ttactatctt aatggtggta gtgtcctatt tattctaata ttcccttatg 360
catacaattg cattctcaat gca 383

<210> 23482
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23482

tttctacttt gcagggcagg acactatgnt cagnanngtc gtgctcggac aaagatatta 60
ttgagtaggt accctgattg gcaagcacgc gcaagggagg aagtctcaca agttgttggc 120

aaccaaaaac cgacttttga tggactgaat caattaaaga atgtaagttt gtattataaa 180
 cttgttattg aatagcatgt tcatggtatt tactatgaat atttttgcaa caggttacta 240
 tgatttttga tgaggttcct agattatacc ctccaggagt tgggtgttctt cgaaaagtta 300
 tcaaagatgt gaaacttgga aacctatcat ttcctgatgg agtggagatt ttcatatcaa 360
 caattctggt tcaccatgat agtgagctct ggggtgatga tgctaaggag ttcaaacctg 420

<210> 23483
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23483

agcttgaaga ggatgcttta atggagaaaa agaaagagag aaggggggag cacgaaattg 60
 aaggaataaa agagggaaag aagtggaaact ttgaagtgtg ttcataaga ctttcattca 120
 tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
 agctttcttg agaaaacttc cttgagaagc ttctttgaga aaactccctt gagaagctag 240
 agcttagcta catacacccc ttcataact aagctcacct ccttgagaag cttccttaag 300
 aagattccta aagaatctag agcttagcta cacatacctc tctaatagct aagctcacct 360
 ccttgagatg agaagctaaa gct 383

<210> 23484
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 23484

gctgaacatt gactgaatct agttcttttag ttttttagtca aaatatctgc tggttgatca 60
 ttggaactaa tgaactcaat gacaatctcc ttggacaata gtttctcccg aatgaaatga 120
 caatcaatct ctatgtgttt agttctctca tgaaaaacaa gatttgaagc aatgtgaaga 180
 gcagcctgat tatcacaata taacttcatt tgtccaattt cacaaaatct caactcttgg 240
 agaagttgct taaccacat aagctcacat gtaaccatag ccatagatcg atattcagct 300
 tctgcactgg atcgagcaac aaccgtttgc ttcttgcttt ttcaagaaat aatattccct 360
 ctaatgaaga cataataatt tgatgtggct ctctatcca tgggacagtc agt 413

<210> 23485
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 23485

agcttcaaca ttcaattttg agcgtctcga tatatgacga gactcaatca gacatccgag 60
 taaaaagtta ttttcgtttt aattgggtca gaggttcaac attcaatttc gagcgtctcg 120
 ctatattacg ggactcaatc taacatccga gtaaaaagtt attgtcgttt gaattgggtc 180
 aggggttcaa cattcaattt tgagcgtctc gatatatgac gagactcaat cagacatccg 240
 cgtaaaaagt tattgtcgtt tgaattgggt cagagggttaa acattcaatt tcgagcgtct 300
 cgatatgtta cgggactcaa tcagacgtcc gagtaaaaag ctattgtcgt ttgaatttgc 360
 tcagagattc aacat 375

<210> 23486
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23486

ttgagccaat tcaaacgaca ataacttttt actcggttat ctgattgagt cccgtaatat 60
 aacgagaccc tcgaaattga atgttgaagc tcttagcaaa ttcaaacgtc aataagtatt 120
 tactcggatg tctgattgtg tcccgtcata tatcgagaca ctcgaaattg aatgttgaag 180
 ctctgagcca attcaaacga caataaattt ttaccagat gtctgattga gtcccgtaat 240
 atatcgagac tctcgaaatt gaatgttgaa cctctgagcc aattcaaacg acaataactn 300
 tttactcgga tgtctgattg agtcccataa catatcgaga cgctcgaaat tgaatgttga 360
 atctctgagc caattctaac gacaataact ttttactc 398

<210> 23487
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23487

gcacgcgaca tttgaacctt ttgagtcctt ngaanannca anantttgaa tcgctcgcta 60
 ttccnggacc tataaatacc agctngtata atgngctggt tngaagacgn tncagaccat 120
 cactttgggtc atgccaactc ttccatggaa cacgtaacct tttaatgcac gttttttgct 180
 tcaattttga tcttaattat ttaagggtag tgctaattta cttcctgaat agcattcgaa 240
 gcattgggct aaaagaatcc aacgagagtg gaagtcattg gagaatgatt taccaggtga 300
 gaatcagttc gattagtata catgttataa cttggctaag atattctcct tatccggctc 360
 actctttgat tttgattaaa gtgactttct ttttcaagcc atagatctgg actgaattga 420
 cggttccacg atctttataa tttgcttaag ggataccacc aaaaaactat ctattgcccg 480
 atn 483

<210> 23488
 <211> 114
 <212> DNA
 <213> Glycine max

<400> 23488

gtacttcata agtatatttg attggaagct ttcctattat cattattaga tatgcctata 60
 ctcttgacac ctctccttta tatcgatagc ctatgaacat tatgcctggt ctat 114

<210> 23489
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 23489

ttggatgatg gcttctttta cattaaggag gatcacttat agggctagca atgaaccgaa 60
 ccaactcgaa cattgatcga aactcaattc aacaattaag tcattgaact tgggttcata 120
 .accaaagaa gtgagcttga gttaaagctt gaacttgta aataaatgag ttaaacttta 180
 gctacttata actcgattca attgggtata aaccaactcg atatataac acacacacat 240
 taaataatat atgttatatt atagcatcga tataattatt ctaattaatt ctattgtaca 300
 caatacatga ataaatacag taaagttt 328

<210> 23490
 <211> 389
 <212> DNA

<213> Glycine max

<400> 23490

agcttgagga ttgtgtacct tccagattgg atgggttatcg ttttcaatga cttagtctct 60
acgcatttcg tccttggggg ttgtgtaccc tttgggttgg atcattccca atccatagct 120
tagcccttcc gattcgtgcc ttgagtcgaa cttgcctca tcatatctat gtctaatacta 180
attatctcta gaggcctaaa cgcaccataa aatcgtcata gacacaatta atcacacctc 240
gagaatcttg agatatggga gaatatcttg aaatgtcata atgcattgac taatgaatat 300
aagagaggat acacatagta aatgatgata aatagtcata tctttgacct aagaagacaa 360
gttgagcaat acaatttgct tgagtactc 389

<210> 23491

<211> 334

<212> DNA

<213> Glycine max

<400> 23491

agggtgaact taaataaaat aggggatgga atagcaatgc cggaaatgtc aaaactatat 60
caactaatga gaaccagatc tgtgtatgtt acttttgggc tgtaaagact aattaaggat 120
acagggatgt tgcttcctgc acttaccaag ttgcttcctg tactccttca cgaatattat 180
tttgaccttc tgggttggtc attccataag acaaaaagag aatgcattca agaaagtaat 240
tgtacatttc ggattgatcg ttctgaaaag tgaaaaggga gtgcatgaaa caactaggaa 300
atgcaggaag caaagtccta attaattggag cact 334

<210> 23492

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23492

agcttgtaac tccttgaaaa attatagctc aaattgacag aggaaactat gttgtgtcat 60
ttgtgcattt atgaatttaa tttcagtagt tatatgtttt taatcataga attttgtgct 120
atatatatgt atgtgattga tttagtaaag tttgacatag aaatagaaac tgtttgagct 180
agattttcct tgagtttttt atgccaaaag tgagttcttt gcatgttata acatagacat 240

aaccttaaaa ttttcccaaa tcagagttct ctagcaaaag ttacaaataa aataagtnta 300
 aggaccttta ctaaaatgaa aagtctgtca cgaatttgga ctaagagtta caaaagtatg 360
 ggttgttttt at 372

<210> 23493
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23493

tgtcttgtgc agaattaggg tacacacatt ntttgtgtat tctagagtct tgagaccaca 60
 atgctaattt caagatagaa gctctggagg cagcaagagg agcagctttg cagagaagcc 120
 tagggttctt caatttgaga gagattagtg agctagagag tgattgtgag gtactgagaa 180
 gaggaggagg gatccccctt cttgtgtaag gaacaattat tctatactct caatctcatt 240
 tgtgttaggg tttttctgta atggctggct aaacaccctt gtaatggctc gccatatccc 300
 ttgccttgcc ttccaagtat ttccgtggca ggcccactat tccattccga atttgcttca 360
 tgcgacccaa ctcttttgct gaatccncaa tcacagctgc aatcttgctc aaggaaggaa 420
 gaaagccgga ga 432

<210> 23494
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23494

agcttgagat aggatttggt gtaacaatct agaatctaga tcggagtatc tttggaagac 60
 aatttggtta cgctatttcc aaagggtggt gacaatgatt ccaaagaagg aactccaggt 120
 atccactgag gcttccatgt tgttattccc caagttaaaa tctagccaac catgaagacc 180
 aaggctgaag aatttggcct agtgattttg atcaattaat ttggagcaaa actccctaac 240
 ctctttgcaa tctctgaggg aatgcatggt gtcttctacg tagtttccat atctgggaca 300
 gatatacaaaa tttgacatct tctgtgctt cctcatggca ttaggaagaa gcctgtcatg 360
 ggtgagtttc caaaggagaa ctgag 385

<210> 23495
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23495

atatgttata aacttattca cataaaaaatc taatatctaa tctaatttat ttattttaatt 60
 aaaataacat ttattttctat aattaatatt ttcaataatt taatattaat ccaaaaattc 120
 ccaacatatt cttccctaaa ttatcctttt tgaatgtatg gctgatggtg ttataatgac 180
 atatgtatca acagatccct ctggtcaaca tatagtttat tattattatt attgggaaaa 240
 aaatgaataa atgagggtca actatagcgc aagggtcaaca tatagtagta aaatacaata 300
 gtatgtactt tttaaaattt atatatgaaa ataactattt agaaatttat aatttttaaa 360
 ttattattta tttatcttgt gtacatgtaa attntactta natttaattt atttgg 416

<210> 23496
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 23496

agctttttatc ttttgatata gcttcccact tgattgaaaa tagcaaaaat ccttccatgt 60
 gttgttgctg aagtcgaaaa tcatgaacgt ggttgaactt cttgagacgt ggtagtcact 120
 gacctaaaag gtttatctgc ggtatccac acaaatctcc caggatacaa taagaacgtc 180
 ttagcagagt taaatttata gaacttgcaa atatacacia cctaggaata aagaggaaca 240
 gagattaata gaagtaaaaa ggaggaacaa ccaatatcat ttgaaaattt ttttctcaca 300
 cccataccgt agtagtaaaa gtaataataa taaaaaaaat gatcaaacca agttgctcaa 360
 gtatgcaccc gtaataaagc acctcgatt t 391

<210> 23497
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23497

tgagcaaaat ggcttgtcag aattagccag tggaatgtct ngtaactctg ctggacgccca 60
 ttccaaacac agtgggttttg ttcactgtct aaataataga acagatgttg cagggtttgct 120
 aggtttttct gtctagctac ttactctttg tttacatac tatatcatta acagatatct 180
 aacagtcaat acaaataaaa atcattttta ttattatcca actgttgtgt tgtgtttatt 240
 ttctgtcaga taaatctgat gtggcaaatt tattttaaac attttcatta tggttgaaaa 300
 tcagtttgat acagaaaaaa gtattctatg tattgacaac aaaaccaaatt attttaatag 360
 tttctaggg gatnttttta actaaaatag aaattcagca acaatccata ttaatggaaa 420
 gttgca 426

<210> 23498
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23498

agcttatatt gtttaagata caacgatttt accattaatc aagttttttt aatttcaatt 60
 gatacaaaaa ttttaagttaa ctatacttct gatcctttta gtttgattga tgtacaaatt 120
 ttgggtgctaa agttttttgtc attctagatc ctttactttt aaaactaagt gaactcattc 180
 tctactcaat ttccttctat gttttttatc caaatattta atggtttatg gtgaactcgc 240
 aatatgaaat aattttaaga ctgtcgtatt ttctcaaaaa aaataataat gaaatttgat 300
 agattnttgt aagacttcat attangatat caaaatagtt taagtcgggtt ggttgaattg 360
 aataaaaata aaaatg 376

<210> 23499
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 23499

acttatcttt ccacaaatgc ctctcccaag cttaagatgt agtctaacta gtctcatcca 60
 ctttattttg tgttcgagat caagaaaacg accgattgaa acaacattac aaattaaaac 120
 agatccatct ccattgtgca ctatgagctt tatataaacc aatgcaatac cgtctggcat 180
 ccataatatca gccccaaatt ataagaatca cattaactaa actataacat caattaattg 240

taaagcaact aaaatttatg ttctatgtct accaacgaaa taatattttt tattaatatt 300
 tataaagtaa aaaagatctt atatattgat aaaaaaaagt tattacatat attaacaaaa 360
 aaacatatatt aaagtaaaaa aattctttta aaat 394

<210> 23500
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23500

agcttttctgt tcggcatanc tatatcagcc aaatctatct caggtgtatt gtttggagca 60
 cagaagctat attagacatt tgcgtacaag agctgacaag caagatgtca cagtagatat 120
 atgtccactt tgggccagag gagttcgctt agttcctgat caagatccaa acataacttg 180
 ggagaatcat gtcaacaccg agtgcgaccc atcgaattac gagaaagtca cacagaagaa 240
 aaaatgcctt gtccctgaat gcagagagat attagtattc tcagacacaa ttaagtgcaa 300
 ggactgcaca gtagagcatt gtttaaagca tcggtttgga cctgatcata aatgtcctgg 360
 tcccatatcat gtggaatcaa gtttt 385

<210> 23501
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23501

acctataaat ctcagcttct caagaggag ctaattatat tatggnggtt agctaagctc 60
 tagcctctca aggaagcttt ctcaaagaag tttctcaagg aagttatctc aataaagctt 120
 ctcaaggaag ctacctattc tgtaaataga agcatgtgta acacttggtg taacttttat 180
 gaatgagagt cttgtgagac acaactcaga gttcaacttt tctccctttt ttttcttca 240
 attttgtgct cccccctct ctctttctct cctcttttct tttgctccat tgaggcatac 300
 tcgccaagct tcttatccaa ggttcattct ggtggcgaag ctccttcttc catggcttat 360
 tccctagtgg atggcgctc ctctcacctc ttctccttg tcttccattg catctgcatg 420
 gtggaaaatc 430

<210> 23502
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23502

tcaagcttca cacaattaac attttctcaa actaagtatt agaataccaa gtactaagtc 60
 ctttttaact agacaattga cgtggtgcat gtttacatgt gcatccctac gaagcgatag 120
 tcaaaaatca tcaatcttat tttccaagca actaaactca tgaaatgatg catgttcaat 180
 attaagcatg tagatattac ctatttttct acctatgtga acaacctcac tagtttttgc 240
 ttcacaaatg agacaacaat tcttgttgaa tgcaattttg aagcctttgt cacatagttg 300
 acttatgctc aaaagattgt gcttaagttc atcaacatat aaaacatttt ttttatttga 360
 gtattgggct aaattccaa 379

<210> 23503
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23503

ggtgcagcaa ntttgatacc ttgtgatacc nttgaattcc gngactcata gcgtactcag 60
 cctatgtcgg ctgacgaaga cgacggttat gcctngaatt atcaaaccgc natgcacgac 120
 tctactgata aacataagaa tgccggcaaga ggagcaacga ttcagaggag acaaagaccc 180
 atcattgttg gaagggaaga agtgctagac aatgaatgtg aagtacatgg aagaaagctg 240
 aaggatccag attattgtga aaagctcaat aatattaata ctacaagagt catagggaaa 300
 atggaagaga agaaaaggct agaaacacct ctctataatg gaaaaaggat atgccttacc 360
 cttgggtacc tttcaagaaa gataaggaat gccaccggcg agattcttag atattttcaa 420
 gacatcggaataaactatgc catttggaga agctgtgcca caaatgccac tctgctcaaa 480
 gtccttaaa 489

<210> 23504
 <211> 338
 <212> DNA

<213> Glycine max

<400> 23504

agaggcagag cgttgaatt gactccacca gtcctcgc ggtcatcatc atcgtgcttt 60
gttactccaa aattgactct tacagtacta ttggatgcag gaattgcctt tgcattggcaa 120
gactattcac aatgatattc gccaaactaag tagtattact tgtactattg catgtatagt 180
catgtacaat acaaacctta cactgcccga tgtgcctgcg tgcattcatg acttttctaat 240
tgatcataac aatacatcga caagaacaaa ttgattgatt atacaaacaa tcatgcccac 300
ctgattatac attctacatg ataaaaattg caatacca 338

<210> 23505

<211> 354

<212> DNA

<213> Glycine max

<400> 23505

gacctataaa actcagctgt aggatatggg gaccataact tgtggactat ttgtgggcgg 60
gcgatgggtgc acacaagttt ttcacatcaa atgcgcgcac aaaccacat ccctgttcc 120
cacctccact gagctcacgt actccacgta gccatacct cgttctctca acaccgggtc 180
cccttcaatc tccaagcttc cacaacatcc aagcaaacaa cattcaaata gccaaagctat 240
cacagcaaca aacaggggcaa ggcagaaact ctgtcaacac actaccaaata acagcttttc 300
tacttaagac ccagaacatt cttcgtccat tcgtaaccgt ggatcactca attt 354

<210> 23506

<211> 414

<212> DNA

<213> Glycine max

<400> 23506

gagctcggcg cccggcgatc ctctaacgta acctgcgcga ttcttgcttt aacctcattg 60
tccctcacag actgtagata tgggagccac tccaatcctt gtgtgcggac tctcaaccac 120
ttatgatagc tgccgatgat tccattactg cttcccctag actctctggc ctttcttcac 180
gccgcacccc atgccttgcg aactccttgg agtaccctcg cgttgtgggc actgaaaccc 240
cgtgcgatga atggcgtgat gctttcgtct gatggcacta ctctcatggg gtagccaagc 300

tgtcttatgg cgaagactgg attataatta atacaccccc ttgccgcat catgggagca 360

tttgacatc cttcgctga agatacaatc atgattcttc cttccttcta gcga 414

<210> 23507
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23507

agcttgccgc ccagctcgcc caggcgagtt tggtgcttct ttcagaagca acaaccttct 60

ggaggaatct tctggagggc ccaagtgggc ctggttgcta tttgcacccc catttttact 120

aaatacaccc cctgcccctt ttttggtgat tctttttccg taacgttacg aaactttacg 180

aattttgtaa cgatacttat tttccttccg caaggttacg aatccttacg gattatgtat 240

ttactctatt ttagctttcg aagaagttac ggaaaccac ggattgcgca aaaacacctc 300

ttttcaactt cgcacacatt acggaatttc acggatcgtg caagcctgct tccttttgat 360

ttctgagacg tctcgggact tcattttactg tgtaacaaag gacgccaagt atctcanagc 420

<210> 23508
<211> 252
<212> DNA
<213> Glycine max

<400> 23508

agctttaata tccctttata gttggatcgc gatgttctgc gtgtgggtcg tcgtcaacgt 60

tcgcgccgtg ggtcatagtt gtcgtgctcg ttgccgccgt tcacgccgtg ggtcgtcatt 120

gttggttgct gcgtgctgcg ggtcacagct aggggtccagg gtctcgcttt gtgttgata 180

ttggagggct cgcagctgcg ctctgaaagc ttggagggga cgtgcttttc attaagttac 240

cgggtaaggt tg 252

<210> 23509
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23509

tggacgtgcg aatttgannc cnttgttgan acgttgtann ancgancttg acnacgtaga 60
 gangcngaga cnncaaacag ggcacaggcg tgtttgnacg gattgttact acgncagagc 120
 aactatccat acaagtgtna ngaagaataa tccgtcgtgt actcagactt cgtaagaaac 180
 aagaccatgt ttatgtacat agactgccgt ggtcttgcta atagtctaata gacaaggagt 240
 gtgaaagatg atttcacctg gtttagatct cgtcatccaa ctgatggggc ttgattatat 300
 gttaaatgag attgtcccct gataatgtgg agaacgcgtg attcgaatag atgatagatg 360
 aaagagctgc ctaacaaatg agtggataga tcgatgactt gttgagacct gctctttaga 420
 tataagagtc atttatcact tcaacagatt gctcgtatgc tataactttta gcgatccg 478

<210> 23510
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 23510
 aactttccat acagaactca cttaagttag cacaataaca taaaaatatc tccaggggag 60
 cacacttgag aaaacaaaaa aggtcatggt taagcaagcc taatactgct ctaaagcctt 120
 cagggactag ctagattaag cttgacgact atggcatgct taagctagtt tagaatcttc 180
 aaaattcttc aagatccttt cattgcaatg gtgggtcttc aaagtccttc cacagtgtcc 240
 tccaaaaatt gattcctaca ttttttttta aataaaaact aatgaagacc atatgggaaa 300
 aacattaaaa tttaatttgc taaataacca acgaattata c 341

<210> 23511
 <211> 131
 <212> DNA
 <213> Glycine max

<400> 23511
 tgttgtcagc tcattttctc ttgagttcag atcacttaga ggtctgattg gagaaatgcc 60
 ttcgagcttt ggtgccctca tgaaccgtca gtcactacca ctattaaata atggggttagc 120
 atgcaaaatt c 131

<210> 23512
 <211> 363
 <212> DNA

<213> Glycine max

<400> 23512

ttgcattcaa gctttgggca acggagaaca ttcttattgc ggaagctcta agacttgatc 60
taaattcttaa taacaagtac taattatata atgcattaga tacaacacac atgggtcttga 120
tctcattggt tctatctagc tatttgatgc tatgaaattg gaactggtgc gctacttgat 180
ctgatttata tggaaaatta cttataactca ccttaatata atcatatttg tctacaaaaa 240
aaagacaaga gttaacacac atagcatagt gatacaacga agttatacga aagcatgcat 300
gccatttcag tgtgtattaa taattgactg cttacaaaaa gagaagcgag catgcatgcc 360
tta 363

<210> 23513

<211> 283

<212> DNA

<213> Glycine max

<400> 23513

tcaccatggt ctacatgata aaagccattc gatcttctat agcggacctg tcgaccatca 60
tcagttcttg cactccctcc ttattaacca tctacttct gtgataagta tgttatatgg 120
atgcgcttcc cgcttttcta actatgggtga tgttgtcacc ataacatgaa tataactaatg 180
aatgatcata gcactttaat tcaccttaag gcttctttac acaacgtgat cagttccaga 240
actcctattt ttataaataa gaacaaaaac ttttatctat cca 283

<210> 23514

<211> 393

<212> DNA

<213> Glycine max

<400> 23514

acctatacac aacccaagct gtgacctgcc tctatattca caacaatccc atccttcttt 60
caaataatga gttcctgggtg gaggggtacat ggcccaaccc caactccatg aatccattcc 120
cttcttaata gcaaggtaaa attagcccta cactgtatca ccacaaatag agttgggtcga 180
actatactgc ctaacagcaa caatctactt gaatgggtcc cacagacaag ccagcatcac 240
ccatcaatat tcgaaagcac aatgggtgaga gcagatagat cagagacatg tttcccgatc 300

<400> 23517

atcttgtaga ggctacttca agaaagtggg tctatagaat aaaacagtta atatagataa 60
attggccatg gtatacaatg acactatcat aagtgcgctg ctctattcca caatattggt 120
tttggttttc atgagtgtcc aacagcatca tcattgtatt actttgcttt taacagaggc 180
cagacagctg cttctgcatt taagttgaca ttgagaata aaatcatgta atgtaattca 240
tgcccctcta ttcattgtgaa tacttaaata cagcatgct ttgtttgcac atcaccgggt 300
agagggttga ttaagtagtt gttcaaaggc tctggatata ttaatttga ctgtaaaatt 360
actaccaatt tctagaatat tcttaaa 387

<210> 23518

<211> 383

<212> DNA

<213> Glycine max

<400> 23518

tcgagaatta gaaaacccga gaattatttg ggcttatcgt gaagggtcgc gcttagcgag 60
tgctgcagct ctgattgggtc tgcaactttc actaagtggg acgtggccgg cttagtgaat 120
taaatgcctc aagatgtagt agtggggctcg tgcttagcga gatgggtctcg cttagcgcaa 180
tgccattcca aagaggggaat tgggcttagc gggatgacc cgcttagccc aattggcatg 240
gggggtccaag cagagaggta tgcacgctta gcgagactat gttgtgcgct tagtgagctg 300
gctcgcttag ctcaattgca ataaatgcaa ttccacagtg gattttgcgc ttatcgtagt 360
gtgcttagtt accgagaccc ttt 383

<210> 23519

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23519

atcttgcttc aaagaggtcc aggaaggaca aggcatacaga aggaactagt tccgctccgg 60
agtatgatag tcaccgcttt aggagcgcgg tacaccagca gcgcttcgaa gccatcaagg 120
ggtggtcggt tctccgggag cgacgcgtcc agctcatgga cgacgagtat actgatttcc 180
aggaggaaat agggcgccgg cgggtgggcac cactgggttac tcccatggcc aagtttgatc 240

cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
tgagatcctg gggttatgggt cagtggatcc cgttcgatgc cgacgctatc ggccagctcc 360
tgngatatcc gttgggtg 377

<210> 23520
<211> 415
<212> DNA
<213> Glycine max

<400> 23520

ttcttggttt cagctgctga agatgaattc gtggctatth catgcactcc tctaattgact 60
atagcatcat ttctggcact aaactgttgg gagttggaag ccattcttctc aattaaattt 120
ttggcttcag caggggtcat gtctccaagg gctccaccac tggcagcatc tatcatactt 180
ttgtccatgt tactgagtcc ttcataaaaa tattatagaa gaagctgctc cgaaatctga 240
tggtgagggc aactggcaca tagtttttta aatctctcct agtattcata taggctctct 300
ccactgagtt gtctaatacc tgaaatatcc tttttgatgg ttgtggctcct ggaagcacgg 360
aaatgttttt tctaagagtc ctctcttgag gtcactctaa ctcgtgatgg acctt 415

<210> 23521
<211> 277
<212> DNA
<213> Glycine max

<400> 23521

atgcaggaat tccacctacc ggcaacgatt tgctaactta cacaatacgg ttctcataat 60
ggtgcgttag aagagctatg taatcttctc ataatatctc gtggtaattt ggagtcgact 120
aattcacaac tattgtgtca acatgactga ttctgtattgc tctgtcttgt ctgcatgaca 180
actagttgga acaggatata attgtgatac cataggaaac agcttggttt ggctattatc 240
caaatggagc cctccatccc gttgtaccaa gtcaaca 277

<210> 23522
<211> 176
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23522

actcacgctg tgatctgect ctatatattca cattcccac ctttttccag acaattgtgt 60

ttctgggtgga tggatanatgg cacagcccca actccatgaa tccatttcct tcctaatagc 120

aagttaaaat tagccttaga ctgtatcacc aagaatagag ttggtcgaac tatacc 176

<210> 23523

<211> 371

<212> DNA

<213> Glycine max

<400> 23523

agcttgtaat gaagatgaac atgaacttag gatcacttat ttctggtcag atttcactca 60

ttgctcagtc caactcctcg cggttggat ttccagccct gattactgcc ttgtgcaagg 120

cccaggagt cacctcagat tctcttacct tcgagtcact cagcccagcc attaatttgg 180

cttatattaa gaagaattgc tggaacctgg atgacccttc ggtaactttt ctagggaccc 240

aaaaatccat ggctagaaga tctgaggccc tatcttcttc agctactcct gctcccccta 300

cccctgctcc ctttactttt gctctccctt cagcaccagt aactccagtt cttccaggtc 360

ctttcgctca g 371

<210> 23524

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23524

agcttccatt attatggatc ctcatgatcc attccgacta aagggtgtga accaatcaga 60

ttgagcagtg cttgcttcaa ctgcacaacc tttgtggaag caaagcttca tgatgaatca 120

acaatgattc aaacgtgttt tgatgataac aatgatgaca acaaaagatg atgacaaagg 180

tgatgaacaa aaagctcaaa agatcaaaga acaactcaag taaatcaaga acaagtcaag 240

agttcaagaa tcaagaagaa ttcaagactc aagaagaaag tctacaatca agaatacaaga 300

ttcaagattc aagatctcaa gaatcaagat caagattcaa gactcaagat tcaagaatga 360

agatnagact cattcaag 378

<210> 23525
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 23525

ttccaaagtt ttctggtttt tccatacctt gaaaacttgt gctattcata tatttcattt 60
 cctttctcct ttgccaaaaa gaattctcca aggactaacc gcctgaattc tttttgtgtc 120
 tctctttctcc cttttccaaa agaacaaagg actaaccgcc tgaattcttt tgtgtctccc 180
 ttctcccttg tcaaagaatt caaaacgaca caatctgaga attcttttga ttcttcccat 240
 tcccttatac aaaagtgttc aaaggactaa ccgcctgaga attcttttgt atccccattc 300
 acaaagtatc aaaggtttaa cagcctgaga tctttgtctt aacacattgg agggtagatc 360
 ctttgtggta gaggtagagg gtacatctac ttgggtttga ctgagaaca 409

<210> 23526
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 23526

agtctttata gattgccgat gtaatgagat gtgggttttg cattaccctt cttgtatact 60
 attattatta cgagattgtc agctggagct ctatgcttat caattaattc gtgcacgatg 120
 atataat 127

<210> 23527
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 23527

tgtattagag ctagatagat ccatttgttt cgcgtttatc gatctgcca cgggcttggc 60
 tcagagataa acccctccga tgatctgtc catcacctcc tcccatccgt tcgcaaagtc 120
 agcctagatc cacacattat gggctccatt acaggggtca atcaaccgcc ccccgatc 180
 tgtgccggat acttcgtgca atacggcctg atctatccac tggaagatga ggtggccaga 240
 ggaagcctgc atcataacat taatcttgct tatcaatcat acatcctacc etc 293

<210> 23528
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 23528

agcttttatct tctctgctga aatgaagcta gtcaaataca gtcaagtctt ggttggaaac 60
 tagtctatag actctcatgg ttaattaggt atctgtctgg gctatatagt gtatctgttc 120
 tgccttttttg gctcattgca ttgtcaatc aagtgtagtg ttgttcactg ttcttctctt 180
 cttcagttct cctgggttgt ttctgttatg ttccagggtg ggatgggtgct ttgtgtctac 240
 tacttctatt atgggtgtgt agtgatattg gttcattaga aatgactttg gttttggatg 300
 gctctctatg catgatgggg ttc 323

<210> 23529
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 23529

tctagcgggt tgaattgtga gtccaaagaa tgttcttggt tagccttgga aaaactggaa 60
 tcagcaacag gctttgcatt gctatgttga gttaatacaa ccaactgcctt cattcatgtg 120
 attatcaatg tttactgcac tcacttcttg accttctagt ttatgattct tgacatcaag 180
 aaaaataaaa tgcttgatta caatcaacat cctgtgaatt taagtgtgaa ataactacta 240
 tcttcctttc atttcataa attatcatga aattcatctt tctccattcc ttttaataca 300
 tgttaaaatc aaaagataaa gattaaacta gcctataaga tttaaaagat aaattcacta 360
 gaaattaccc ttacctttca ttaagttatc atgtatt 397

<210> 23530
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23530

agtttaccaa cccaatcccc taactactaga gttgacaaga acgattgacg tgtgtacttt 60
 gatgccacat catttacgga ccccgatag ttcagttaac ttggaagatt gagaagtttg 120

atatcaacaa ctaaaataat aattattggt gttactattg acttcataca aaaaataaag 180
ctattgtggt aacctaaaca tcaactgtgtc caagtatagg tgtccgtaac acccaatgca 240
gtgaatatag gattgggaat cttgtcatcc tacatcgatc ccatacaatt gtgaattagc 300
atgggatttg acacataata tgtaaagggtt aaatgtgact cancattcct ttagcttaac 360
ataagagctt caaaa 375

<210> 23531
<211> 374
<212> DNA
<213> Glycine max

<400> 23531

agcttctact tatgtggcag ggcgggcttc cttcactttc ttgtctcaac cgcgagcttt 60
gaccaccgct ctttcttccc gcgatgcttc tctttatata cgctgagtg ggtttatagc 120
ctaaaccata cttcccacga tttcctttgg catttatcaa gctagttatg ccgccgttgt 180
ctttgcctaa acccattccg ggttcgtaat cgttcccaa cataactcg gcatcatta 240
ctgctgcata ggacaggcaa gcttgcccag agaaggagtc cacggaggaa atgcttacca 300
cctcaaaaga ctggaaagcg gtttctaata actcctctgc ggcttcaca taaggcatag 360
aggatgggca gctc 374

<210> 23532
<211> 326
<212> DNA
<213> Glycine max

<400> 23532

ggacacttaa aactcagctt ctacggtatg attggtattc aagaatgatc tgtttaacct 60
tggaactg gaatcagaac aagctttgca ttgctatgtt gagttaatcc aaccactgtc 120
ttcattcatg tgattatcaa tgtttactgc actcacttct tgaccttcta atttatgatt 180
ctcgacatca aaaaaataa aatgcttgat ttcaatctac atccctgtaa attaaagtgg 240
gaaataacaa ctaattttct ttcatttgca taattaatag gaaaattatt tttttacatt 300
ccttttaata catgtttaaa tcaaaa 326

<210> 23533

<211> 396
 <212> DNA
 <213> Glycine max

<400> 23533

agcttgetca agacatttta taacatttca atccactcaa ttcatacaat ttctcattca 60
 aatcaatcac aacacttcat ttcatacgaa atcaaaccac tgaatcatat tcaaccaatt 120
 cactgttcaa actgttcaat catgcttttg tacaagctac tactacaaac aaaataacta 180
 aaatttaaaa ctgaaattta aagattgaaa tttaaataat tgaacataaa catacaataa 240
 actaaaatag aataataata aacttttcaa aatgaaagat aagaatataa agatcctgtc 300
 aatcctcctg tgggtgatcc tctgcatgct tcgttcagat ctacgctgg agtagctgg 360
 ggatcctgtg aaatgggctg ctcttgctcc aatgct 396

<210> 23534
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 23534

atgaagtttt ctggttttcc aaaccttgaa aacttgtgct attcattctt ttcattttct 60
 tcttcctttg ccaaaaagaa tttgccagg actaaccgcc tgaactcttt ttgagtctct 120
 cttctccctt tttcacaaga acaaaggact aaccgcctga attcttttat gtctcccttc 180
 tcccttgta aagaattcaa aatgacatag tctgagaatt cttttgattc ttccctttcc 240
 ctaatacaaa agtgttcaaa ggactaaccg cctgagaatt cttttgtatc cccattcaca 300
 aagtatcaaa ggtttaacag cctgagatct ttgtctcaac acattggagg gtacatcctt 360
 tgtggtacaa gtagagggtg catctacttg ggtttgactg ataac 405

<210> 23535
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 23535

agttatacaa atcacattta gccccttttc aatttaagac ttctcaattt tgggcactaa 60
 gattgttcaa tgaggataat atcgattgag ttctattctt gtgtgcagtt ggtgacttga 120

accatctgat ctcagctaca atgtctggtg tcacttggtg attgaagttc cctgttcaac 180
 ttaactctga tctgcgatag cttgcagtga accttattcc cttccctcgc ctccacttct 240
 tcatggatgg atatgctcct ttgacatctc gtggctctca gcaatacatg gccttgagtg 300
 ttcctgagct gacacagcag atgtgggatt caaagaacat gatgtgtgct gctgaccctc 360
 aacatggccg ctaccttact gcctcatcc 389

<210> 23536
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 23536

gaccgtcgaa cattggtcat aggtctacaa cgacgtcgca tttaaaggca ggcttgcgcc 60
 gtcgttgaat gccgacaagg accgatgtaa aacggctttt ttctagcagg gaaaaaggaa 120
 tgatttttca atagaaatga tgaaaaattc caaaccagg ccctaattgc tcatcattgc 180
 cctacaaaaa cctagaatca aaccactcag tagagaaaag tgatgcaatt ctcccaatga 240
 ggggacccat caccagagac atgactagga gactccataa agattggaca aggatgcatg 300
 agaagatcct aatgttatga gaagccttac acac 334

<210> 23537
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 23537

agcttaaaca ttcaatttcg agcgtctcgt tatattacgg gactcaatca gacatccgag 60
 taaaaactta ttgtcgtatg aattggctta aagcttaaac attcaacttt gagcgtctcg 120
 atatattaca ggactcaatc ctacatccga gtaaaaagtt attgccgctt gaattggctc 180
 agaggttcaa aattcaattg cgagcgtctc gatatatattc gggactcaat catacatccg 240
 agtaaaaagt tattgccgtt tgaattggct cataggttca acattcaatt tcgagcgtct 300
 cgatatatgt ggggtctcga tccgacat 328

<210> 23538
 <211> 397
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23538

ttctaacgat aataactttt tactcggatg tccgattgag tctcgtata tatcgacacg 60
ctcgaaattg aatgttgaag ctctaagcct attcaaaca caataacgtt ttactcggaa 120
gtccgattca gtgacgtaat atatcgggac gctcgaaatt gaatgttgaa cctctgagcc 180
aactcagacg acaataactt tttactcggg tgtctgattg agtcccgtat tatatcgaga 240
cgctcgaaat tgaatgttga acctttgagc caattcaaac gacaataact ttttactcgg 300
atgtctgatt ggtcccata atatatcgag acgcttgaat tgaatgttga acctctgagc 360
caagtcaagg agaataactt tttacttgga tgtccga 397

<210> 23539

<211> 367

<212> DNA

<213> Glycine max

<400> 23539

agcttgtagg cactttgaac gcaatattct ccattatttt ccaccccca aatgactatt 60
ttgcttttgt accttgata ataggcactt gaagaatggt attcacatcc cttagattga 120
atatttgatt aatcacatcc atgtttcaac ttccatgtga agtatccata atatttgtaa 180
ctttgagatt tttcatcca ttgattataa gagtttcaat agtgagattc tacttcattc 240
tcaactaggg ttctgttcaa ataccaatat tagtaccatt tcccaacttt catttatatc 300
cttcctttat gaccattgta gaagagaaca tacttcacca tgtatatgat gggttgtgcc 360
taactaa 367

<210> 23540

<211> 390

<212> DNA

<213> Glycine max

<400> 23540

cgtgatcaat agattcattg gcatagattg taggatgaag ttgtggtgag tgatctattt 60
tggtgtcacc cagatgcagt aaagttatgc aatacatgtc atctggtact ttttatagat 120
agtacctaca aaacaaacag gtacaaactc ccactacttg actttgttgg ggtgacacca 180

acggcgatga cattctctgt tgggtttgca tatctggaga ctgagcgtgt taataatatt 240
 gtatgggctt tggaacgatt tcgaggtcta tatataagaa acgatcgctt cctgtttgtt 300
 attgtcactg acagagacct agcactgatg aatgcagtga aaattgtgtt cccagagtgt 360
 acaaatgtgg tgtgcagggtt tcatatcgat 390

<210> 23541
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 23541

tttcattcca aattttgtta ccgaatatgg attgtatcaa caagtgaaga aacactcttg 60
 tttgttttgt tcctgtatag ctgcataatg cagcgcaatg acaaatttat taciaagtga 120
 tcaatatagt gaaggatata tatgtactga gaagtcttaa tgcaatgccc caattacaac 180
 gtacaaatga tagattgtat tgtgtagatt atttaaaaaa aatgaaaatg tttaaccata 240
 atgcatatat aatttcttaa aagaagattt aaaggatatg tcctt 285

<210> 23542
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23542

agcttcagac caaagcaatt caaaatctag gtatctaaaa cccctcaatt tagtggattt 60
 tcaaggttta agaagtgaat atgagaatgg ggtaattttg gagcaaactc tcattctcaa 120
 caagtctata acattaatct aaactcactc aaactgggtt tacgacgaaa actccaccga 180
 atcaaaattt gacctctcaa caccgaattt accctagaaa tggctcttgc ttctactttg 240
 gtcactcatt ttccccattt gctcagccca agctttccca caagtcctaa ataacatttt 300
 aaactaggat taaatcactt taacctccaa ttaccactaa atccagatnt agctnttcaa 360
 accctcaaag catcaca 377

<210> 23543
 <211> 407
 <212> DNA

<213> Glycine max

<400> 23543

tggttcgagg tacttaccgc ttgatgatcg aagaacgatg aagaacgaat gaagaacgtc 60
gaagaacggt cgaaaccttc gcgaaattcc ttacagaaac gttatgaaaa cgtttcggaa 120
gcgccctcggc ttagattttc ttacacggaaa caatttttcc aagcaaattc gaaagagaga 180
gaagtgccta aggggctgaa cctttttctt cttcacttcc tcccctatct atagcaaaat 240
aggggagatg cttgccgccc agctcgccca ggcgagcagg gttgcttcct ccagaagcaa 300
cagccttctg gaggaatctt ctggagggcc caagtgggcc tgggtgctct ttgcaccccc 360
atttttacta agtgcacccc ccttttctat ttttttgtaa ttctttt 407

<210> 23544

<211> 374

<212> DNA

<213> Glycine max

<400> 23544

atcttgtgaa ggagtcacct caatgggggg tcgaaccaat tgctgagtga taagtgtcgg 60
ccattgagga ggtatcttga caataaagga ctgaatttgg tgagtcgaag ttggaggagg 120
caaatggact atatcatcta atggtgagtg tcatacccta atttcgtccg gggactattg 180
cttgatggca tgcaaccttt aattgaccgc ttcaaagtac ttggcaccct ttgttgca 240
atatgtgaag tcccagagaca tgccggaaat caaaaggaag cgttgttatg caatccgtga 300
tattccgtaa cgtgacggaa atcaaaagga agtattgtta cgcaatccgt gagttttcgt 360
aacctttttg aaag 374

<210> 23545

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23545

tgtgtgactt aatcacaggc tcaattttct gttccattg aagggtggtt gaatcatcaa 60
gcttttcagc tatggagttt ggaaaggatc agggtagcga agggaattgg aattggatgg 120
agaaacctag ggctcatcat accataatag agtttctgag agtgagagaa attgagagag 180

aatttaaaga gataaaaatg gagtctaattg tttattcatt gcttatatag gctctcagta 240
 cagctgtaac taactgttaa cagttaacag ttagtaccta cactaaccaa cctaacagat 300
 tcactaactg atttcagttg aataactggg tatttacata tataccctaa tacaattaat 360
 gttatccaac gcccgatgct cattattgtg aggtanggga tgcttct 407

<210> 23546
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23546

agcttgccctt tccaagtatc aaagatctcc tcaattttgc tgcctcaca acgccaatta 60
 tatccccctcg tacaccttcc atcccccaatt taaacaaact tacttatatc cttgtgatgt 120
 catctctccc aactaaatga cattattagt aacaaaacgt actaatgtca cattatgaaa 180
 agtttagatg aactgctgt ggaataccat tctcacagct ctaatgatat ctaccttaat 240
 tttccaatcg tttctacat tgaaataaag gaacttccta ttaatttgca tagtgtccaa 300
 catcgctcga tctctacaaa tgtacaacag acgaacatca tgcctcatgt gtttccttgt 360
 tacaatctgc gctaacat 378

<210> 23547
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 23547

tgtgtgaagc cactctcatt gacatacagt caatgtatct tgctgtcaat ctccatgttc 60
 tccccatttc tgggtgcctat gtagtgtcaa gcgtccaatg gcttaaataca ttggggggcac 120
 tactcacaga ttataacatc ttgtgcatgc agttcttcta tcagggacgc atgggtggaac 180
 tgaatggaga tcaggatgac actccgaact ttgtcacact gtcacagttt tggcgaaatt 240
 tgcacaccca tactttaaga ctgtactacc aaattacact tctatcgaag gactcgcgca 300
 acccacagga ccttcaccca gatattcagt cctcctgac taagtctgca cact 354

<210> 23548
 <211> 358

<212> DNA
<213> Glycine max

<400> 23548

tgcttgattg ttcaatgact gaataagata gagtcttctt aaaaaaatc atgtaaatac 60
tctgtattaa aagaatgaca gagagtgtc atagaattgt taatagacca ttcgggagat 120
aagaagacac acttagttta tactagtgc ctcaacctga gctacgttca gttctccttt 180
acacttccag taaagatccc acttatgaaa actcgattaa gaaacaagta tgttgaccta 240
tcaacttagg ctataaaagc attcttaata caactgctgg cactgtgtta gactccccctg 300
aatctaagaa accctagtat tagttaacac tgagcaactc ctatctttca caaacagt 358

<210> 23549

<211> 362

<212> DNA

<213> Glycine max

<400> 23549

atactcaagc tcgttttgat gcaagataac acatgattgg gtgcattttg ggtgatgcta 60
ccctggttgg ccagcaatca gctatgagcc atgctataat agtttccata cacctagacg 120
tttacgaatt atgttcatca cggacgtgta ggtgtagaat aggtatcaaa atacctttgg 180
caagtttaca ctttgggtat gatagcatag tacttggatg tatgtacatg taattcttgg 240
tagtcaaaat gtctcacaca agtatatata tgttgcgtgt tatgtaaaga aataccttac 300
aaagatgcct tttaatttga atgcatttct gatcaccaaa agaaaatttc ttgaatttgc 360
tg 362

<210> 23550

<211> 376

<212> DNA

<213> Glycine max

<400> 23550

agtttgacca ggaattactt gtatggggtg gatgttgaat tctggttgtt cctgggtgcgg 60
agatgatggt acagcgggtg aaccagaagc ggaagtttct tttggtgagg tagccatgga 120
aaagcagagc gtttggaatg atttcgtaaa tctcagaagg ctattgggaa atgctgggtat 180
aaacacgaat gccaagcaga tataaatttg aatgaggaat gtagaggggtc gtgtgaagca 240

acgggtcgaat tttccttggg ttagtagtga acgtgctatt aatgttaagt gattcggttg 300
ggcacgttca gattgctgta gttgctataa ttcctctagc acacaaatgc ccagcttgcc 360
cctcatgttt tcatac 376

<210> 23551
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23551

ntatgtatga gtgtccacat ggatgtatgc atgatcatgt ttgacacaaa tttctaata 60
tcattctcat atgtgtgtca tggaaatgat ttgggggcat tcccttattc ttgaatcgct 120
tgataaacia atataccgac atgcatcatg tcccaccatc cgtaggcctt ttgagccaaa 180
cctcaacgtt ttggccataa ccttgaccta ggatggaagt ttccaacctt accattggta 240
aaaagaacag aaggatcttc caaaaaaaaa gagcttattt taccttgggt tataaatgtg 300
ccctaaaaga aaagaaaaga aaaaggaaag gaagaaagtc aaccaatcag agattggaga 360
aaagtaaaag ataaaataga aaagaaagaa agaaaaata t 401

<210> 23552
<211> 380
<212> DNA
<213> Glycine max

<400> 23552

agtttgtact tgttcacca acctgagttt gagggggtaa ttatggagta tatctagcat 60
actgtcgag agctttgggt agctcatgtt atgcataatg ccaaccgtat agctgtttta 120
gttaaccaca attaattata taagattcta acttctaagg ttctggaatt tgttgtaaca 180
gacttcagac acttgaaaac ccgacatctg tctctgtaga tatatgtgga acttatgcag 240
ttaattaagt aactttctgt gaaatataca tttaagatat gattgatatg ctttaattgt 300
atagctaaaa ttagggattt ccttatttat tcttcattat taggtttcct ttattatgta 360
tccattttta ttataaataa 380

<210> 23553

<211> 394
 <212> DNA
 <213> Glycine max

<400> 23553

tggttatggt attatagcat gtgactacat catcaatcgt tgattattgt gctcatggta 60
 taggcttgta tccaaacact ttttctatta ttgtatatca cgggtggcac tttgtgaata 120
 taccaacaaa atcacatggt cttgaggaat tatgttgggg gtaaaacctt tctgatgggt 180
 aaatgtgatc caaatgattg gtcattgcaa gaggtaacct ttgatcttaa acaacacgat 240
 tataaagggt ctgttcagat tttctatcgc caacttggaa taaggttgga taaagatctt 300
 attaaagttt taaatgatga tggaacaagg aaaattgtta agactgctat ggatttgatt 360
 caaaaacatg ttgaagtata tattaatcat actt 394

<210> 23554
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 23554

tctaatacgc atttcatat gtgtgtcatg gcaaagattt gggggcactc tcttatactt 60
 gaatcgcttg ataaacaaat ataccgacat gcatcatggt ccaccattcg tacgcctttt 120
 gagccaaacc ttaaccgttt tggccataac ctttacctaa gatggaagtg tcccacctta 180
 ccattgggta aaagaacaga aggatcttcc aaaaaaaaaag agcttatttt accttggggt 240
 ataaatgtgc cctacaagaa aagaaaagaa aaaggaaagg aagaaagtca ac 292

<210> 23555
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 23555

agctctggat caagtgtacc ttggtgcaa tactgtactg tcctttgtgc tcttgaggag 60
 tttctataaa ctagaggcaa ttggcttggt ttcttgccct tgtataatga tgaccctttg 120
 aaaacctttc cattccaag cttcacttgt gttggaaagc ttatgtctgt gtagctagca 180
 gcaacagtca tgatccatgg agcaacattt ccagcagttg aactagaggg gcctgaattg 240

cctgctgagc aagaaacaaa aactccttta tgcgttgctc cgaacgaggc tatggcgatg 300
 ctgtcattgt aataaggtct tgcaatgcca cctaatagaga gtgacaacac atcaacacca 360
 tcagcaacag ctcgatcgat agcagccaat atg 393

<210> 23556
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23556

gcttggagtc tatataaact tgtgagaatt tcatagattc gactcgtgaa ctcaacttat 60
 agactcgtaa gagtctactt catataaaat taataataaa atatttataa atgatttatc 120
 aattaaatat ttcaacaata taataaagta aaatagtaaa tcataaattt cataataactt 180
 aaataatcaa atctagtaat gcatcactat taaataataa cttgcatata ttatagtaat 240
 ggtaaatacat ttccattgat gatttgatgt tattagagaa caagagtttt attttattaa 300
 aggtagaatt ttttttattc gagaacaaca caataaatga aaatatgttg atcactaaat 360
 agacagaaaa taaccanana tgacttatat ttccggtttaa tttttttaac ttattaactc 420
 gcc 423

<210> 23557
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 23557

acgtacgatg ggtcttgatt actgtatata atatagaacg ggctaaacta acgtgagtgc 60
 cgacgcgcta ttacgatgtt cagaggtacc aagtgcctcg ctattcatac tctcaatgcc 120
 tcactttgtg tttcttgaag atctgtctaa tgaattgcac ccgcataatg aatttataac 180
 cttaaggagc aaagtccacg catacccaga cacctaccgt gaccatgtgt taacacccaa 240
 ctttg 245

<210> 23558
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23558

ttgtgcaaca ttggaagaaa nttttgtaga aaatgatgca gccttgaagg gagaaactaa 60
actgtgcaat ttccattgtc tgacctcatt aacattatgg gaattaccag agctgaagta 120
tttctacaat ggaaaacact cactagaatg gccaatgcta acacaactag atgtatatca 180
ttgtgacaag ttgaaattgt ttacaactga gcatcatagt ggagaagttg cagatataga 240
gtaccactt cgtacttcaa ttgatcagca agccgtattc tcagttgaaa aggtaccaa 300
aagatttctt atctagtatt catattatgc ttgcacgtct caatatgcat aaataattaa 360
agaaattgct agtcacaaac tttttggcat cccatgctga tcttaaatt 408

<210> 23559
<211> 297
<212> DNA
<213> Glycine max

<400> 23559
tcattgctgt tacatcttct cattaagggtt aaaagagtgt atccttcaaa cttgggtggt 60
ccaagtcgtg gtaatcgtct caatcatgct actgtatcta aactcgaagc gtaagatcac 120
caatcctttg ttcttgaaaa cttttttctt cttttttctt tatttaaatac taagcttcaa 180
aacattcctg atctaagggtt gaaagataac agaagtgtca ccttaatgaa tgtatgagac 240
agacacaatt atatgtactg ttcacataat cacatcagac gttatatttc ataattt 297

<210> 23560
<211> 401
<212> DNA
<213> Glycine max

<400> 23560
catgccttaa agaagaataa gatttgcagt agtaccact ccttcattaa taagtaggac 60
ctgtgggaga ccactagag ttgggcctag agttaaggga tttgagtagt atgcatgaga 120
tcataggttc taatctaagt gtaaccattg taccaaaaaa aaaaaatagt accatgggac 180
tacaattttt ccaaagagaa agggatgcat cacacaccta gcagctggga gtcacacttc 240
atcttttatt ttctattttt gatagctaac tacatcattc atacagggcc catcatacat 300

ggggaccaag taaaccgtaa ctttaaggccc aggttttttt ggtctaaatc acaggtatcc 360
tccattgtag gctgtttgag ccaaatagga ctactatatg c 401

<210> 23561
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23561

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gtgttagagt ctatttcac cctaaagtat tccaaatatt agaaattata ataagtagta 120
ttcttttaag tactaaaatc aggttatatt taaactgaaa acagagaatg aagctctcaa 180
ggaagaactt gcaaaggcaa acgattacga ttataagttg tacatcgagt aattaaattt 240
catgagcaat taaattccga aacaaattgc tagattaata acgaaaacaa aaaataaaaa 300
tctagggcac gcctctaag gaatgtagag atacgatgaa ggaagaaaga tacgaaacta 360
atagaatgac taangattaa tctaatagat ataacacc 398

<210> 23562
<211> 396
<212> DNA
<213> Glycine max

<400> 23562

gatttagtct tggtttcact tttgttatta gtctattaat tcaagaaaac tttcaaagag 60
gaacgtccga ttgatttctt tgattatatt attcaaagat attttgatta ttttattatt 120
atatttttaa gatattttga ttattttatt attattttgc tttttttggt ttaaccgagg 180
ttacagcatg aacgatcggt tggattttat ttttaacagt attaaacgag attacaacac 240
aatgatcgg ttgaaattca ttttatcatt tattaggcga gataacgact taaataaatg 300
tttaaagcac gttaaaaacg gaagaaaaga aaattggaag taagcgaaat taaggtgaaa 360
gttcacaaaa caagttggga ccactaaggg tgcata 396

<210> 23563
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23563

agctctaagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgt 60
atatatcaag acgctcgaaa ttgaatgttg aacctatgag ccaattcaaa cgacaataac 120
tatttaatcg gatgtctgat tgagtcccgat aatatatcga gagctcgaa attgaatgtt 180
gaagcttttag gcaaattcaa acgacaataa ctttatactc ggatgtctaa ttgagtcccg 240
taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca aacgacaata 300
acttggtact cggatgtctg attgagtccc ataatatatc gagacgctcg anattgaatg 360
ttgaacctct gaacca 376

<210> 23564
<211> 395
<212> DNA
<213> Glycine max

<400> 23564
ttacagcaga ttttagtaat gacctactaa cctagatata aaataactta atgccattaa 60
cctaggggaat taaaacaaac ttaatggctg agtgtaactg aaattgtggc aacccaaaagt 120
caccaccaac agccaacaag tcagccacca tttgggtctcc caaaaggctg atgcctaggt 180
tgccaattgg gcccttatta caacttgaac taaagctaac taaagccctt ttagttgatt 240
aaccacaaac atatttttgg tcagccaact ttacaaggat tggggcatta ttagacaaa 300
ctaaacactc taaaattgaa acaaagtggg gtcatttagt cctcctccat ttggggccatg 360
atacaactca cagacctgga cttttctcct tgaaa 395

<210> 23565
<211> 384
<212> DNA
<213> Glycine max

<400> 23565
agcttgtagg tatttgggaa gtatgttgta tgactcttcc caattaccat atacctgctt 60
gagggcccat tgttttgcta gtcatgcttt acgatatgtg atgggtctatc caaactcttg 120
tccaacgaat gtgatgaatg taggaatgtt agttgctcat tttcttcaac catcgcaagg 180

atatttttgc ctacaagttt caattccatc ttattgtgat cttgtgaaat ggtcggcata 240
acgcatgtgt gagggccctt tatcattcta atttcccaa ctttttagatt ttttctttca 300
aacgctctaa gtttccattg acaccctca attgggaaac ataagacca tgtatccttt 360
gcacacctct tgtgtatgaa agtg 384

<210> 23566
<211> 367
<212> DNA
<213> Glycine max

<400> 23566

ttcctcatgt gtacccaaac cttatcacct ggttcaagca cgactttctt tctgcttttg 60
ttggcttgcc ttgcatatct cgcatttttt ttttcaattt gagccttcac ttgctcatgc 120
tacttcttca tatactcagc tttaacctga gcacccctat gcttaatcat agcaatgttc 180
ggcactatct tctaataagc aggagtcaaa tgcattgatg catacactat ctcaaagggc 240
gaacaattaa ttgtgctatg gacagcccga ttatatcaaa ctcaacatga ggcaaacaag 300
cgttccaaga ttaagattt tcctttaata cactcctaag aggtgtgcct aaagttctat 360
tgactac 367

<210> 23567
<211> 310
<212> DNA
<213> Glycine max

<400> 23567

agtttctatt ttaatagact taccttgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
atatacttaa ggaatttttg agctttggaa ttgggttggg aataagtgtg ggggggtttt 180
gtttcattgg acaacttggt ttgttggtta tgcttcatga tgtattgtgg gccatacttg 240
atgtacattg tatatcggtt aaatgttggc catgctgaat gatatgttgt ttctcaaagg 300
ctaaagagtt 310

<210> 23568
<211> 404
<212> DNA

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gaataactccc	gctcgtggac	tataccttcg	accaaactct	gctgtgtttc	tgtctcggtc	60
cggatttaat	gctgtttgca	acaccggctc	tgcttcacct	accggactgg	aggcggttgc	120
cgaggcttta	tcctctatgg	atttctagag	ctttgacatg	acctccgaga	tggaagccat	180
ttgatctttt	aaagccaatg	gatcggcctc	tatgccttgc	tgcacgacct	actcattatc	240
cattctttgtc	gttaaacaga	ttgatgggtg	ccttgatgag	ctcttagtat	catgaacctc	300
ctaaagaaat	aaactacgga	gaatatgcct	ccaaaacatg	agtatgcaaa	tggatgatca	360
gaacactttg	atccacccac	aggtttttat	ataacatgat	gagt		404

<213> Glycine max

agtttatccc	gactatccaa	attctcatta	atccatcacc	cctagctcgt	tgagaaaaaa	60
actaacaggt	aactagaaca	aagatcatgc	catatgggaa	caacacaatt	ggaatctcac	120
aaaatatgaa	actgtgctc	aacagcctgg	ccacacaaag	ggcaaaatca	cttatcatca	180
tatattgatc	aaaccaaag	ctatttgtca	gaagacctcc	atgtaaaact	ttctagagga	240
agcatccatc	acgagaatgg	gatatggttt	tccaaatctt	cctccaagta	tcactataac	300
cccccccccc	ccctcacgag	acttattcaa	caggtcaaaa	gtcatttttt	gtggtgaata	360
ccccatcaaa	aaagtaatt					379

<213> Glycine max

tgc	atg	at	ttt	acat	ctc	cct	ctt	tct	caag	caa	att	cttc	ttg	at	at	cat	caa	aat	ctt	60									
cat	gatt	tac	att	ga	at	gtg	a	at	gt	at	gt	a	tac	at	g	at	t	tg	at	g	at	g	at	aa	ga	a	ga	at	120
cta	aca	aag	gc	tg	ctt	caa	at	gata	ag	catt	tg	ctt	ca	aga	ata	att	ca	ag	att	g	ctt	caa	180						

caaacaaagc cttgtttcaa gattcactaa agaccaagcc ttgccttaaa acaaagtgc 240
 ttcaagacat gcaaggctct ggtaatcgat taccaggaag tgtaatcgat taccagaaga 300
 caggggttgag aaatagctgt tgaaaaaggt tttgaatttg aattttcaac atgtaatgga 360
 ttaccatattg tctgtaatcg attaccagca acg 393

<210> 23571
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23571

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 ttacctacaa caataaaagg tcgaaacgat ttggaggtaa cactagttaa ttatgggtat 120
 ggcatctatg atccatgtga ttcattggct gaagtcaatg tgagatttcc atttgtaatg 180
 ttaggagaaa tatttttaaaa ataatagcat gccacataat taatgtcagg tagttgacaa 240
 caggaaaaga agagagaaat aatctagagc ttcaaactct tggccggcca aaatgtttct 300
 ttgttgagct gattacgtta gtgatgttca tataacttga ctatatttat gttgagcaaa 360
 tcaaccgtta gatacattgg ctgcatatag agtacc 396

<210> 23572
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23572

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 aaggacaagc agttccgttt gctgggaaat ggcaccgttt tacagtcagg aatgacggag 120
 agaagggtgt cccagaacca catggtgacg ccgaacaaac agaaacctgt gaatcagagg 180
 tgatgatccc ttttgcagtg gaaaggacag tttacgtttt cgggtggacct ctgccagacc 240
 aagagtcact ttcgagttca atgaacaaag tatttccttg ctaccaact tgcgaaccta 300
 tgatttttga tagtgagcct tacaacttca attgtttaag caaacccac aaactctttc 360
 gatccgcccg gtcaatagcc cataaggatt acctaccctg gcttgatc 408

<210> 23573

<211> 393
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23573

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 gcttagctac acacccccta taatagctaa gctcaccoca tgagaaaaaa catgaaaata 120
 acaaaaaaaaaa gtccttatta caaagacagc tcataatgcc ccgaaataca aggctaaaac 180
 cctatactac tagaatggcc aaaatacaag gcctagacga aggaaaaacc tattctaata 240
 tttaaaaga taagcgggct catacttagc ccatgggctc gaaatctacc ctaagggtca 300
 tgagaaccct anggcctttc cttggatctc tagcccaatc tacttgaggt cttctagcca 360
 atgcccttac ggggtaggat tgcacaaagt agc 393

<210> 23574
 <211> 420
 <212> DNA
 <213> Glycine max

 <400> 23574

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 cttccccata tcaactatac agcttgcggt caacacgaat ggccttccca atattacagg 120
 gatgttagta tcttcggaga tatccattac cacaaagtct gtcgggaaga taaaatgttt 180
 tactctgacc aaaacatctt caattactcc atatggcttg gtaatggagt agtcagctaa 240
 ttgtaaagtc attcgagtgg gcattatttc caactctccc aatcttctgc acatgtagag 300
 tgacatcaaa ttgatactga ctcccaggtc aataagagct tttcccacat tgacttctcc 360
 aattgaacaa ggaatagtta cactctgagg attattatgc ttgggtggaa ggatcttcta 420

<210> 23575
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23575

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taggacctga cagaacatgg gtggtgaatg gccaaagatt gaaactatac catggtggag 120
 agtntggaaa ggaaaacacc atcttaaatt tgatatacacc caactctgat ttctttcatt 180
 gtgtttttca tgcattgcat aagttggaat ttgctttatg atcattgaaa aaggggtata 240
 tcagcttata ctaagttata gatattgggg tttgatctat atgttttgag aaaatggact 300
 gaaattaact taaaaacatt ttcttgaaaa tagtccactc gctaagcgca tatcacacgc 360
 tgagcgcatc tcctccatgc gctaaac 387

<210> 23576
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23576

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 agaccccaag tagaatgggc caaagatgca agagaaggcc ctagggttct tatgagcctt 120
 agggtagatt ttggggcccat gggctaagta cgagcccact tatctttgta aatattagat 180
 taaggtttca ttatttttgg gccttgtatt tagggctcca taatgtaggt agggtagcct 240
 agaaatatag gatttttcag cccttgtatt ttagggcacc tagactagtt tttgtattag 300
 gggtagtttt gtaatttcac atgcactaag tggatatttg atgtgtgtgg gtggaaataa 360
 atttaattga attggcagaa gcccaatcca attaaatttt agagaggggag gtgagcat 418

<210> 23577
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 23577

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 cctgcagtgt tcaaaataat gtcacatata tagctgaaaa ataacacatt ctgcaaggct 120
 gtcaaagga ctaacaataa tctgatctaa cataaaaaaa gtgcaaaatt agacataaag 180
 ggctattaac aaataacatt actaaaaatg cttcaaaggt aagaacatta tgcaaagcc 240
 acaaccttgt atcatgacaa ggcaagaaag tttgagattt ggaatgatca attaccagaa 300
 tagttatcaa gtttgagttt ga 322

<210> 23578
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 23578

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 cattctgcaa taattgagat gatgttttcg tagatcatat ttcacaattt agaacttcta 120
 agccaagcaa taatcctcta aatactatgt acatcctttt ccgacctacg cttacacggg 180
 ccaattaagc cataattgat ctaggagtcg attatcatat cacgggtccca ttgtgtcata 240
 attgatcttg aagtctatta tcataccata attgtggcag aggtcctatt tcagttataa 300
 aaactctctg gggtcatatc tttcatg 327

<210> 23579
 <211> 154
 <212> DNA
 <213> Glycine max

<400> 23579

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 ttaattctaa ggcatatttt ttttttact ctcaaattaa tgcacatgaa cacctacttt 120
 gaagccacca catttcaacc aatgccaccc acca 154

<210> 23580
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 23580

gacatattgt gtactcctcg gccatttttt aaccaatca cttgagacaa gcatgcggtc 60
 gaggctactt tttgaatgat cattcaccct ataccaagtg aacttccttc ccaccatagg 120
 tatgtcctcc acctccatat cccaataaa tttgttaaat gcttccatat cccaataaa 180
 tttgttaaat gcttccatat ccttcctcc catcaaattt cttgagtctc ttctttcttg 240
 tgttgtccat gccgaactaa aatcacccat tagacaccaa accccactct tgccatttat 300
 tcttgagttc aacaattttc tcccaaagggt tcttggtacg ttcgtttcat gacatcaagg 360

tgccac

366

<210> 23581
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23581

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taattatgac ctctcaagca atagatacaa tccaggttgg aggaatcata caaatctgag 120
atggacaagt cctccacaac aacaacaacc tatccctcca ttfcagaatg ctgctggtcc 180
aagcaagcca tatgttcttc ctccaatata tcagcagcaa cgacaatagt cataacaaag 240
acaacaagca actgagggttc ctctgaacc ttccttagat gagttagtga gacaaatgac 300
catccagaat atgcaatttc agcaagagac aagagcctnc attcagagtc tgacaaatca 360
gatggggcag atgactactt agat 384

<210> 23582
<211> 391
<212> DNA
<213> Glycine max

<400> 23582

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atgacgcttc ctctctcttc ttgtccatta tcttcgctg catctccatg gaggaagcc 120
accattgagg gacctcattg aagctcaaag atccagccta catagaagct tacatcaagc 180
ggtaatcaga gcacaaaagc tttaagtagg tgctccttaa acctccatta atttttggct 240
ttaccttctc ctccattgtc gatccttcat tttctccat gcactctctc acatgtcttc 300
tgctaaatgg tgttaacagt gattctttac aatttccacc aagtaaactt gctatagaag 360
ctgaatttga agttctacag gtcaaattta t 391

<210> 23583
<211> 322
<212> DNA
<213> Glycine max

<400> 23583

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tgtagcacat ggtcaaataa ttaatatgca cgctattcat caatataaca gcaaaacatc 120

atztataggt taccagtgtt gcaggctcctt aagaaagtgt atatttacia catgcaaatc 180

aaacatatat atcgacaatg tacgtagcat ataaaatgct acagattcca ttcaaacaag 240

gtactaatac agagaagtca gatagctata tatctttaga tgcaagttca agaattgtgat 300

atctgtactt cggtcattgtg ta 322

<210> 23584

<211> 383

<212> DNA

<213> Glycine max

<400> 23584

cgagataata tgaagtttgt gatttttagaa cctatctcca gcttactctt tcccatatca 60

actatacagc ttgcggtcaa cacgaatggc ctttccaata ttacagggat ggtaatatct 120

tccgagatat ccattaccac acagtctgtc gggaagataa catgttctac tctgacaaaa 180

acatcttcaa ttactccata tggcttggtta atggagtagt gcgctaattc gtaagtcatt 240

cgagtgggca ttatctccta ctttgagcat cttctgcaca tgggtgagaga catctaatag 300

atactgactc ctaaggcaat aaaagctgtt ccccttgac ttctccatat gaacaacgag 360

tactaagact ctgaggatta tta 383

<210> 23585

<211> 355

<212> DNA

<213> Glycine max

<400> 23585

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aatcaaggct taagagacca tacaagtttc ctaacgattt ctaattatgt gggccattaa 120

gtctatcata tgctgacaat agctgagaag cccatgaatc tcttcagggg cggagtatgt 180

gtctgtcatc gtcttgacct tggctaacaa tcgggggaagt tcttgactcc cgttcaagggt 240

aagagcagac cgatccatcc acatgggtgc ctctaggtgt aaagagtcga tcacccttcc 300

tetagecctct gtttacgcat atacttgagt gaacatctga tactggggga caaat 355

<210> 23586
<211> 409
<212> DNA
<213> Glycine max

<400> 23586

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atcatcctac tatgacgact gagaaaactg gggcatatga agaggggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180
cattactcgg tcaataacaa acctcctcct taccaccac ccagttatcc acaaaggcca 240
tccctaaatc aaccacaaag cctgtctacc gcactttcaa tgacgaatac cacctttagc 300
acaaaccaa aaaacaccaa caaaaaggaa ttttgcagca gaaggcctgt aagggtcacc 360
ccaaattccg tggatcatatg ctaaacttga tcccatatcc actcaatat 409

<210> 23587
<211> 381
<212> DNA
<213> Glycine max

<400> 23587

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catggccaat tctactagta atttacaatt ttctccttg gttgtgcatg cagtgaaaat 120
acatgatgtt gtcgatgatg atatcaggcc caagacagcc aggaaatgac attgatgttt 180
atctaagtcc gttgattgaa ggcctgagaa agctgtggga cgaggggggtt ttagtgtttg 240
atgggtttca gaatgagact tttctaagtc atgcaatgct tttttgtaca attaagact 300
ttccagcata taggaatttg agcagttaca gtgttaaggg tcatcatgca tgccccatct 360
gtgaagaaga cacaagctac a 381

<210> 23588
<211> 407
<212> DNA
<213> Glycine max

<400> 23588

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 tagaaggggg taaagacaat atattactac aattatatga aattgagtag gtaataactaa 120
 gaatagaata ttagtagcat gaccgaaaat aaaatagccg ttgtgtcaaa taacataaca 180
 attgtctcaa atacaggaaa aaaaatactc caacgccatc attagccggt atgaacttatt 240
 gctgtcttta aaaaaaatgt tgcccatttc ttctgaattg tggatgatgat gccgatgtcc 300
 aacggtgtgt cattagcaaa ccaactgcaag tattcataat tgtaagttag tactgcaaat 360
 ataaaaagtc agttccaatt gtactgaagt ttatgcatac catggac 407

<210> 23589
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23589

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 cgaagagggt tcttttggtt tcaaccattt tctgctttta gcttcaaaag gatcatcata 120
 gatgatagcc agtccttct gcaatgctga ttctatgttt tcagtaagtt ttttaacta 180
 aaatttagta ccatttgtct attttggtct ttcaagtgtt atcttgtgct cacacttttc 240
 atgaaggcta ttagtgaatg gactttctca atgttggtct tgtgcttga tggatgatg 300
 ggaaattctg agaantgtg ttcaaaattg atgttggttc aactatttaa tctcatccc 360
 tgcaactcaa ttccta 376

<210> 23590
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23590

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 gttttatctt tccccataat ctcatcagga agtgcaagaa aatcattcag gaactgacaa 120
 aaattataat ttttagaagt gtttagctac cataaattga agatttttat ctttgaaact 180
 aacttatcta acacgcttca tgtgtttcat agaccaattt tacaatatta tctaatatgg 240

acatcaaadc ttattggagt attgacaatt gacacgtatg atttagtcac ttatttattt 300
tactaaattt tgtaaataaa ttattttttg aatttatagt ttaaattatt ttatatgaag 360
attaagataa tgatgattca ttttaattaa tttcatttt 399

<210> 23591
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23591

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gaccttcaat ccttatgaca caacgtggcg gacaaaagtg gacagttaac ttaaatagacc 120
attattgtca atgcggaaag tattctgcac ttcactatct atgttcacac attatcactg 180
cttggtggtta cgtgagcctg aattacttgc aatatgtaga tgggtgtttac acaaatagagc 240
acatcttgaa agcttactcc gcataatgat gacctcttgg gaataaagcg gcaattcctc 300
attntgatga cgcattggaca cttattcttg attcaactac aattcgtgcg aaagatcaac 360
caaaatcaac aagttta 377

<210> 23592
<211> 402
<212> DNA
<213> Glycine max

<400> 23592

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agatatctta agaagggggg attgaattaa gatattccaa actacttgcc ctaattaaaa 120
atctatttca ctttttattc aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
attcaaataa cacaatttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300
tccccaagca acccgcttga gagttccact atcttgtaaa ttcctttttac aagtgtctaa 360
acacgcaagg acaatccttc ctttgtgtgt agaattcctt ta 402

<210> 23593
<211> 375

<212> DNA
<213> Glycine max

<400> 23593

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caaggtctga aagaccatac aagtattcta gcgatttcta attatgtggg ccattaagtc 120
tatcatatac tgactatagc cgagaagccc atgaatttct ttgggggagg agtaggtgtc 180
cgccattgcc ttggccttgg ctaacaatcg gggaagttct tgactcccg tcaaggtatg 240
agcaaaccga tccatccaca tgggtgcctc ttggtgtaaa gagtcaatca cccttctctc 300
agcctctatt tccgcctata ctagggcata ctctgtgcgcg accctattct cgtggggcgt 360
ggctagacct aactc 375
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<210> 23594
<211> 334
<212> DNA
<213> Glycine max

<400> 23594

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accctcacgt cctccattct tgcattctct gacaaaacct atacttcttt attgtcttgt 60
tcctttctgg tacaatgaaa atctttgtta ccttccccca ttttttaaaa acaagcaata 120
gatcctccaa atttttttct aaaaaatcaa taaaatagta atcggtgata tcctccctcg 180
tcttgatga tcacagagcc ttgtccctct acgatgattc tctatctaaa ctactttctc 240
tctccaagct gtctttctac tttatctgca ccttgtcatt cgatctctct gcaatataaa 300
cttatttaag ttactagaat ttgctaata gcta 334
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<210> 23595
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23595

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taaccgtagc atgcaatctt gnaggatnat gttgtaccca tcacatgtgg aactaagtgg 120
ctgctaaacg atagtgcaca acaagcattt cacaatccat aatcgcacat atacctccac 180
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tccactgctg cccaccttca actgaaacac acgtacttcc acgatatcta tatcatcggt 240
tctttaagca cctggactcc tgcaaccctc atctgctacc cacacatcca agtaacttga 300
tatatcgaca tctcatacca tatcgctcat ataatatggc atatgccaat aactataccc 360
agatcccaac caatatcaca attatgctca ctatacctcc atcatcattt cttcgatcat 420
tcaggaccat tgatacatac caatataaca ggacacacta tcc 463

<210> 23596
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23596

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attaagtcta tcatatgctg acaatagccg agaagcccat gaatctcttc gggggcggag 180
taggtgtcca ccatcgctt ggccttggct aacaagcggg gaagtctctg actcccgtcc 240
aaggtgaagag caaacggatc catccacatg gttgctctt ggtgtaaaga gtcgatcacc 300
cttctcttag cctctttttc tgcgtatact tgagcatact cgaccgcat cctatgctcg 360
tgggccgtgg ctagacctaa cttttcaggt tcttggcgat gaagctagca tgttggtct 419

<210> 23597
<211> 372
<212> DNA
<213> Glycine max
<400> 23597

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tgtctctttg cgagaggcac cattgtgata caatttgact gaacatgcat tctcacctaa 120
cttttagtct actttattgc tgccattcta cattcataga tcttattcaa agaaatgata 180
tcgcatggca tgataaatta atcattagat acggatttac caaggaatca attttcttaa 240
cgggaaaagc aatgggtatt atatctaata tggaaacctc ttcaacaata aaatttatag 300
atgagcttta cccaagatct agcatttaca gaatggcgag aaattgtcgt atagatgccc 360
gagtatgaca tg 372

<210> 23598
 <211> 404
 <212> DNA
 <213> Glycine max

 <400> 23598

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 agctggggag gctgagagat ggttgcatte attcaagggc aacagtggaa agacctggga 120
 tgaagttgat gacaagttcc taaaaaaata tttcccacag tctataaaaa tattttgagt 180
 gaggcattac aaagatttcg tatcttgctg tggaaaactc cactcatgg tttttcagag 240
 cctatacagt tggacatctt cattgatggg ttacgactgc agtcaaagca tatactcgac 300
 acttctgcag gaagaaaaat taagttgaaa acacctgaac aagccatgta aaccttatct 360
 tacttgacac ttattaaatt gccaacagga tgcgtgctat cttta 404

<210> 23599
 <211> 311
 <212> DNA
 <213> Glycine max

 <400> 23599

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 gagtggagcg cttgatttcg tgtgggtggg caacttccag tctcgatatt gttcattctt 120
 ctctcgctga ttgagaaggc tcagctgcag agacagtggg ggtgggacgg ttatagcttt 180
 ttgcccatt tattgttgct gaaatgggtc agatcgggtc gacaatgctt cattgggtctc 240
 tactttatat aatcttatca atattattgt ttggatcaga tgtgacatat ttgcctcact 300
 catatcactt t 311

<210> 23600
 <211> 414
 <212> DNA
 <213> Glycine max

 <400> 23600

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 cagacataac atcccccatg attatcaagt aaaccaccaa aacaccagca ttgttgacaa 120

tgaatcaa at ttcagacaaa atcctggcag gccttcccat aacatgttga acaacctcac 180
cataggagga tgccttacac aaaacagaaa acctcaccaa caattcgacg ctaatttcag 240
acaaaattcc cataagaacg atcaaaaaca tccccaaaac cacacctaga actttcatag 300
tggcagggag ggccataatc cctgccccga taacagtggg tggttaaattg aaaacagccc 360
caggtatccc agaaagggtga ttgcgcccc aacaataag gtgattacta tcga 414

<210> 23601
<211> 382
<212> DNA
<213> Glycine max

<400> 23601

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catgtgagcc aaattttacg acgatttctt tttatcacca cagctgattt atgaagggaa 120
atggccaagg ttaatttatg gggtagaaat aatgattcag ttctattcag ccgaattttt 180
attttgatac tattgcta at gtcattattt gatttttcta ggtccacaga aattcctgtc 240
ttagattcag gaattactga taccttgac gactcaccct tgctgacata tccgggcaac 300
ctaattgaaa gtaaccatga gtctacttct tcacttgagg acactacact tgacaaacta 360
acacctgatt ccagagcgat ag 382

<210> 23602
<211> 403
<212> DNA
<213> Glycine max

<400> 23602

tgtcactag ctcttcactt tcatttgctt ttgacctgt tacatcaaca cactttattc 60
ttttattttc ttttttttaa catacaactt gtgtgttggt tgtgttgatg ctttctctct 120
ttctttgcat cccaattagt tccactcccc caaatttggg gttaaatttgc tttgaactat 180
atgctctcct agaatctaaa caaggatca tgagataatt atttaagttc agggttcaat 240
ttatgacaaa atcattcagc tcaaaaaggg tgcaaaggat ataattatca ttcaaggtaa 300
gctttttggg caaaaggctt gtgtatgtac gatcatggcc ttcacatgt tctcgtctat 360
acatttcatt gttaaatttag agattcatgc aaagatatta ctc 403

<210> 23603
 <211> 377
 <212> DNA
 <213> Glycine max

 <400> 23603

 atcttgaact ttaactacat caagtttatg tgatcaaata tttcacgcca aacatgactc 60
 atcaatttta acaataaaat catgacattt cactatatcc aacttcttat gaaaattgta 120
 tccaatcatt tcaaccttat tcattattgt ttcattgttca tcaaagata aaacatattt 180
 tcgaaagaga ctacatgtat atttctcaac actaagaaaa ttttgatcta gtttccaaac 240
 ataaataaca tctttgacaa ttatcttacc ttagaatata taaaaattac ctctttttct 300
 ttggcttgca caatgtcacc atatactaac ttgacttttag gttgaattga tcccatgaag 360
 attacaattg aaagaca 377

<210> 23604
 <211> 233
 <212> DNA
 <213> Glycine max

 <400> 23604

 gctagagcga atgcttctat agacgttatt ccaagtccaa tttagggtca tcggcgcttg 60
 attctttggg ccggatctat atgatttcga catctctcca tgggtgctgcg agctcacaca 120
 cctcgccatt gctggtgctc aatatcacct ggattaacct acattggctg gtcagaatgt 180
 ccccgagtgc attattaccg gtgagcaact ctttgattat taaggacat ttg 233

<210> 23605
 <211> 318
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23605

 agaatgatct caagaatgag tcaacaagtt caagatcaag attaaagaaa agacatcaag 60
 aagaatcaag attcaagaga agatgaattc aagattcaag agaagaaacc aaaaagcaac 120
 aagttaagac ttcacaaggg aagtattgaa aaagatatatt caaaaaccaa acatagcaca 180

antttatttt acaagaaaag tttttccaaa tntttctaag ttaccagagt atttactctc 240
tagtaatcaa ttatcaatta cctgtaatcg ataatcgatt acaatatttt ggtaatcgat 300
taccagtgtg tctgaacg 318

<210> 23606
<211> 402
<212> DNA
<213> Glycine max

<400> 23606

atctcctttt agtagggaat ctatccttct aagatagagc caaaccagat ctccctcatt 60
aagaactagc tcatttcttc ctttattgcc tttagttgaa tacacctttg tttggttctc 120
tattgtagaa gcaaggcttc atggtgaatg tgattcaaag gtgttttgat gataacaatg 180
atgacaacaa aagataatga caaaggatg gaacaaaagg ctcaaagatc aaagaacaac 240
tcaagtgaat caaagaacat ctcaagtga tcaagaacaa gtcaagagtt caagaatcaa 300
gaagaattca agactcaaga agaaagccta gaatcaagat tcaagattca agatctaaag 360
aatcaagatc aagattcaag actcaagatt caagaatgaa ga 402

<210> 23607
<211> 368
<212> DNA
<213> Glycine max

<400> 23607

agtttgagga ggctagtttt ttggtggaga gtgaattgaa catgaagata gatttgaaag 60
agcaattttg gatattggca aggaggaatg agtcatttct aagacaaaaa tctagatcta 120
gatggttagt ggaaggagac aacaactcaa tattcttcca tgggtactatt aattggagga 180
gaaggaaaaa tctacatagg ggtctacata ttgatgggat ttaggaggtg gatcctaaga 240
aagtaaaatg ggaggtgaag aatttctttc aaaaaatatt cttggtggag gatttggatc 300
ggccaaagct tgatgggaca agattaatac atatctctca acaacaatat gagagtttca 360
tcgcaaga 368

<210> 23608
<211> 368
<212> DNA

<213> Glycine max

<400> 23608

atTTTTggag aaaaagaatg attgtaggga acatgagtgt ttcggtaact ttttacactt 60
aataaattct gttgtgagtc aaattgattt tgactgaatt ttttttagct gttttgctaa 120
atagattctt tgtgtgggac cctaacaaaa atattctata tttgcacgcc aagagtaatt 180
gtatTTTTTT catcccaaatt attcaattct tctgaattca tttttaaaat atcattcggt 240
atcacaaata aattttttta ccttaatttt tccaaaaatc aattgtttca acattacttg 300
taacacaatt gagatcaaatt caccctttat atgctttctc aaataataaa ttttgtaatt 360
aactacct 368

<210> 23609

<211> 395

<212> DNA

<213> Glycine max

<400> 23609

agtcttaca caaactatgt attgtagaac ttcattacta ttattcagaa tatactgtag 60
caacctaccc ttcggcgagg gggtagacgcg tgactcgagg gtgcgtgttc caagaaagga 120
atagcatgg agtcaccacc aacgtttatt tgaggaaaac gtcggaaaaa atatgaaaag 180
atgtgatcta cgaactttta atgaaaagct tcgggagttg tatttacgca cggggaaggt 240
atcagcacc cactgtctg tcacaagata cggcagcctt taataaaatg tgaaaacatg 300
acttcaatat ttatgttccc ttttacgtct gtatttcttt ttataccttt tatatttctt 360
atctttctgc ggtcgacgag ggtgtctccc ttgct 395

<210> 23610

<211> 363

<212> DNA

<213> Glycine max

<400> 23610

gctcttgctg cctaagtgtg gaccctctag ggctatttcc attctctctt ttttcggag 60
cctcatgaat gtcatgtcct aacactgttc atgtgtcttc caccttcgag tctggagccc 120
cgcgaaatgtc atcgctaact actgatcgcc aattctccat tccccactat cattcggagc 180

cccatgaatg tcattgccta ggcgtgttca tgtgtcctcc accttcaagt ttggagctat 240
 gcttcatgat tgcctaaatg tggaccctca agtgcaatcc tccattctcc acttttttcg 300
 gagcccatg aatgtcattg cctaccgcta ttcatgtgtc ctccaccttc gagtacggag 360
 ccc 363

<210> 23611
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23611

agctttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgccaatcc 60
 ttaccctcgg aagcaaaaaa aaagaagaga aggaaaattt ccaatcaaag gaaaaaggag 120
 aaggaaaatt tccaatcaaa ggaaaggaaa ttcccaatca aagagtggga gaaagcaaaa 180
 agaaaagaaa gaaaattccc aatcaaagaa tgggagaaag aaaaaaagag aagtaaaaaa 240
 gaagaaagct cctgggtcaaa gaaaccagaa gaaatgtgcc gagaggtcct tggactagac 300
 gatattctgaa caatacagaa ttgtcaccaa atgaacaaaa gaaagaaaag gaaaccatga 360
 cctanaagtg gtcttctccc ttngattacc aacaaaaa 398

<210> 23612
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 23612

taaacattca attccgagcg tctcgatata ttacggtact caatcaaaca tccgagaaaa 60
 aagttattgt cgtttgaatt tgctcagagg ttcaacgttc aatttcgagc gtctcgatat 120
 attacgggac tcaatcagaa atccgagtaa aaagttattg tcgtttgaat tggcacagag 180
 cttgaacatt caagttcgag cgtctcaata tatgacggaa ctcaatcaga catccgagta 240
 aaacattatt gtcgtttgaa ttggctcata ggttgaacat tcaatttcga gcgtctcgat 300
 atattacggg actcaattag acatccgagt aaaaagttat tgcctttga attggatcag 360
 aggttatcca ttcaatttgg agcgtctcga tatattacgg gactcaatca gacat 415

<210> 23613
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23613

agcttgtagt gcagctccag atttcataat tggctcacca acaggatgat agtcacagcc 60
 tgcttcaagg atttgcttac cagatgacag taaagttgga actttgtcat gacgaacctg 120
 cttctgattc tcttttaact caaaatcatt agcataagga agattagtat gtccattaaa 180
 ataaccattg tttattgcgg aagcgtcaag aagtgggtta aagaactgaa aaataaaacc 240
 agctgccaaa cttgaacggt aagtgggttt tgaggatca tctttaggta caatagtggc 300
 tgtaaccaag atgacagcat cgtatagaat gctagcactt aaaagctntc cagctaanaa 360
 ctctcaaca tattttgctc tgattgcatg cttactccg 399

<210> 23614
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23614

tgtggtttgt tggatttgtc ttgctagtgc gagaaatggg atgaggttac cttgtgccat 60
 gagaggtagc atcacgatgt ggcctttgtt tgggtgtctc gccattggag cgagctcgat 120
 cgaggaatga tgtgctacac cctgcgctgt ctgtggtaca agaactat actcaactct 180
 tgttgctctg gtttctgcta agaagtgtac aaaagaagta gcaaagagac agagatgatg 240
 aagtaacgtg aaactcttgt tgtcttggtt tctgataaga agagtgcaa taaagcaaaa 300
 agagccaaaa aagcaatctg aatcactgca ctcaactacc tatgcatggt gaaccagacc 360
 aggttttcga tgctgcggga cctgactacc caagaaggga aagatnagtc ata 413

<210> 23615
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 23615

tccttaacgg gtacgactgt tggagagcga atttagactt ggcacgtcaa aattggtctt 60

gagattagaa attatggctg ctaggctctt gacaacttat gatgacgctt gaaggaataa 120
 atacacatgg aggttatgaa aattgatata tcaaagacga atcataactc atccctatctt 180
 tacgagatga ctctacctaa gttagctaata aaccttaggg attactctat agaaaattctt 240
 cttcaatgac 250

<210> 23616
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 23616

ggcgggcttt ttctaaaatt ttcattaggg aagtaaattgt caagaatgat atttcagaag 60
 agatgttcta gaaaacaata ttgggcttat agaaatccca ctccaaaata agtacctgca 120
 ctccagaata ggctttcctc aaaggatctt tggtttccag aaatgtgttt cgaaaggctt 180
 atttggaaga caaatattcc agattctgga aaagggtgta ctttcagagt aggtgttcta 240
 gaaacctttt ttcggaaagg tcattctaga gaacaaataa gaaaggaggt gcagtgtgct 300
 gaaatggact tggcatgga 319

<210> 23617
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23617

agtttgcatt tggaattgag aaagcccccc tccaccatta ggatttgctt ctgccatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcaccact 120
 caagtgtatc acacaattat ggcttttctc caatgaaaca ctcttgctt ttaccactct 180
 aattccccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt aaggtaaggc tagagagaca aggaaaaggt taaccaagaa aaaggctaac 300
 aatgttttta ggcacaaatg aaggaaataa aattcagaat ttaggaattc aagtaacaat 360
 ctttcatgca accaatatat tacct 385

<210> 23618
 <211> 407

<212> DNA
 <213> Glycine max

 <400> 23618

 tgaggatcaa aatcttttct ctctttttct ctcaactatt cttcattctt attcttttca 60
 cttttgttct tcctttttac ttgcaaaaat tttgtggctt ttacactggt gatgattatg 120
 gaaggataga cacttgatca atccaaggat tcaactcaag caaggctgaa tttgagttct 180
 agtttagtat ttctaactctg tgtgaatgct catctttttc ttcaaacctt ttttttattt 240
 tgatgattat gaatatgatt aggatagaaa atgaattatt ttagggattc ctttcctaatt 300
 ttcaacttta atcacagatt gtttgatga tatttcaacc taatttgcca tctcaatgaa 360
 tttatggatt aattcgattg aaacaactct aatgatattg attgaac 407

<210> 23619
 <211> 382
 <212> DNA
 <213> Glycine max

 <400> 23619

 agctttgcat accccaagga tccattagga aattacttat gaaagagagc catgaggggtg 60
 ggctcatggg ccactttggg atagacaaga cccttgtctt actcaaagaa aagttttatt 120
 ggccccatat gaagaaagat gtccataagc attgcactag gtgtgtggct tgtttacaag 180
 ccaagtctag ggtgatgcct catgggctat acacaccctt acccatcccc tctgtacctt 240
 gggtagacat tagtatggac tttgtccttg ggcttcctag aacccaaaga ggtgtagact 300
 ctatctttgt ggtgggtggat aggttttagca agatggcaca cgttatacca tgccataagg 360
 tggatgatgc ttcccacatc tc 382

<210> 23620
 <211> 408
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23620

 ctcagctnta tagtgcgggt ctgggagact aaggtcaagt gttcgcgata tgtgaagatg 60
 atgttccaag tacttcggat ttggtccgac catgcctcc tgatttccag ctgggaaatt 120

ggcgagtggg ggaacgcccc ggcatttacg caacaagcat aatgtaaacc ttacggttt 180
 taaaagctct atagttgggc ctaggcttta gagttttcat tttgttaagg ctttgtgtct 240
 tttgtttttg aatttataat acaaggatct ttcttcatct gttcctgggc tctaccatt 300
 ctcatcatt tgcattgtta cttctttttc tgaaacggca gattcgatga cgagtccccc 360
 gaaggtacta atacctggga cccgtctatc aacttcgagc aagaaatg 408

<210> 23621
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23621

agcttgggaa agatctaata gactcagcct aatgttcatg agaatgactg ttgcagacag 60
 tattaagaca gctctcccta aaaccaatag tgctaaagag tttatggggg tagtgggaga 120
 gcgctctcaa acagctgata agtctcttgc tgggacatta atgagtacac taaccacat 180
 gaagtttgat ggttcgcgta ctatgcatga acatgtcatt gagatgacaa acattgcagc 240
 aagacttaag accttgggaa tggctgtgaa tgagaacttc cttgttcagt ttattctaaa 300
 ctcatcaccg tctgagtatg gcccgtttca tatgagctat aataccatga aagataaatg 360
 gaatgtgcat gaattgcaca gtatt 385

<210> 23622
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 23622

tcgtcgtcct gaggatgctt tttttcaaag aaacgattgc acatgtaatg gtggcattct 60
 tccacattat tggggatttg gagtagaatc acgaggaaca acctcaaaaa ttctgatcc 120
 ttttgctata gaacaaggta acccaacaaa aattaaaaat ggatatgagg agaaatgggt 180
 gctcaacatc atggtcattg atacacgtgg tgcacaagat aagaaagctt gcaactcaatg 240
 tagatgtgac cagatgaatc tccgaagga cttttataat gtcacaaggg atatacataa 300
 ccaaaaattg actacaaatt ataaaggagg tctattttgt tgtcaggaca acttacaatg 360
 caagcaaata gaaggttttc aaggttcaag gagaatgggt 400

<210> 23623
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23623

agcttgactg gtctttaact caagaagaaa aaaatgcttt aatatttacc ttgttgatca 60
 ttttatccag catatactta tcacttttta tcaattagta agccattttg attcctgtat 120
 acaatttgta ttctattcct tagtggtgac tcttgactca ttttttttat tctaattgta 180
 gttactccat tatacttctg ctttataaaa attctcatag atacattaat taaaaaaaaa 240
 agccaatgca ataccttaaa aaaaaaggca aaatgaaaag tcaagcaaaa aataaataaa 300
 aaaagattaa aagataagca atactacgac ggttattgta taaccgtctt agtatgttac 360
 acctacta 368

<210> 23624
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23624

taaagaatat actacataaa catattgcaa gtgtatttta gtctcctcat attaagatga 60
 tttggcacia aaaacaattt ttccatttga tgatagaatg gattacactt tatatgttat 120
 atcactcgca catttattta cattttccct cttctttccc aaaatatata ctaatatgca 180
 ctccaatggt gtgaaaatat cttctttttt tccagcaaaa caccgcatta tcaattatgc 240
 ttttaagttg aggccttgct ttttgtgctt gtgatgatat tatttggtgc ccactctagt 300
 ttattttacc taaactgtgc ttaactacat tgttgagctt tagccattcc ttaaccgttg 360
 gcataagctt aaaaaccaac agc 383

<210> 23625
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23625

agcttaataa agtccttggt gatccatatt atgtgtgtgt gtgtgcgcgc gcgtgtgtgt 60

gattgcattg aataagatga tgtgcaaagt tggggattat aacttcagac gaaataaatg 120
 aaatacacat aactgaaaca cttgtgtgct tgagagaaac actagccttg ggaggagtga 180
 agcatagttg atttttcttt gatacctgtc atgggggagt ttgataattt ctatgcttac 240
 gtaatttgaa tattttaaac acatagcaat tatctaattt tctctattc tattgcttct 300
 tttgtgttat aacattagga atctagcttc ttctgagttg ttgtctagta gatactaaag 360
 ttagttaa 368

<210> 23626
 <211> 220
 <212> DNA
 <213> Glycine max

<400> 23626

taaacctcgc tgtgtctgag agcttttttc aaaaactatt gcacatgtaa tgggtggcatt 60
 cttccacatt attgtggaat tggagtctaa tctactaggaa caacctcaaa aattcctgat 120
 ccttttgcta tagaacaagg tatcccaaca aaaattaaaa attgatatga ggagaaatgg 180
 ttgctcatca ttatgggtcat tgatacacgt ggtgcacaag 220

<210> 23627
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 23627

agcttcttgt tattgagtaa ttattacatg ttctgaaacc accacatggt tatgattccg 60
 gtcaattttc acgttagttg aagtttatta attttctagt ataaattgaa aatttaagtt 120
 acgcattacg taaagattga ttatagacgc agttctagac aatacaataa tttccccact 180
 atttgtcact atcataaacc catcactcat tttttaatat ggaaatagag aattttaaag 240
 gggttcacgt gagttacata caagggaaga tgtccaataa atgaaaggca aagaatgtgt 300
 cacaagattc cccactttct accgagcata tgagagcaat attaggttca tgagagcaat 360
 agtctttaat aattcaacaa tacacaaaag 390

<210> 23628
 <211> 224
 <212> DNA

<213> Glycine max

<400> 23628

caacacatgc acagtggcca aggatgcatg ggagatcctg aaaaccactc atgaaggaac 60
ctccaaagtg aagatgtcca gattgcaact attggccaca aaattcgaaa atctgaagat 120
gaaggaggaa gaatgtattc atgacttcca catgaacatt cttgaaattg ccaatgcttg 180
cactgccttg ggagaaagga tgacagatga aaagctggtg agaa 224

<210> 23629

<211> 401

<212> DNA

<213> Glycine max

<400> 23629

agctttcaac aagagtcttt acaaataacc atcatgaagc agagaactaa caaaactacc 60
catcatatct cccaaaaccc catacccacg aaattttaaga gagaaagaag tccacccaaa 120
cctgaaatct cgaagtccca ctcgtagcca cgcacttcac gactccaaaa atgccctcct 180
ttcgcgatct ggagcagaaa tgagcaccaa aggttgaagc tttgtttgga gcttcaatgg 240
agaatgaggg agaaagaaa gcaacgtgag gaagagagag agctatctga aaaaagtgtg 300
ggggctgagt gaagagagag aaaagctttt tgggtataaa ataaaggggtg ttctctatgt 360
ctattatctt attcaagctc tgccatgtgt ccctatttga g 401

<210> 23630

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23630

tgtagaattc accccaattc cagtgtccta tgctgacttg ctcccatatc tacttgataa 60
ttcaatggta gccataaccc tagccaaggt tcatcaacct ccatttctcc gagaatacga 120
ctcgaacgca acgtgtgctt gtcacggaga agccccgggg cgttccattg agcatggtag 180
ggctctgaag cgtaaggtgc aaggtctaatt tgatgcgggc tggctgaaat ttgaggagaa 240
ttgcgtgtaa atcctgacat tgacaagaga tgccacacat ggggcaattt tgaaagctgt 300
tgtaggtgt ccctaatacgc tcatcagggt ttccaagttt atgccattat tgtaaaccac 360

agctacaatg ttaaatgana tggataaagt tgatatcttt gtcctcatc ctctcaca 418

<210> 23631
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23631

agtttgcatt aattccaatc ttattcctca ctgaatgcag aatgaatcac taaatggggg 60
tagaaagctt tttgtggaca agcactctaa ccttaggggtt cgtgatcttt tgatgcatgt 120
gtatttcaag ttgaatggat tatagtcttg tcaaaatttg gatgtgctaa ttacatgtgg 180
tgcttgagtc taaacacaaa cctatacgca tttggtaagg ctaagtgttt ttctttgaga 240
gatttctatc accatgatac attcttaatt ttgacttgac tacttgtcca cnttgcattn 300
tgtgatcatg tgttcatgga ttgcttggtta ccttgaaacc attcttccat tntccatctc 360
tcttaatttt gtgcattggt aggatccatt gaaa 394

<210> 23632
<211> 405
<212> DNA
<213> Glycine max

<400> 23632

ctcagcttaa cgaagttctt tccttaacta tttttgogca gtttactaga agaggatcta 60
acccaaccct aaaatagcct ctattcaaat tgggtcctac cactcaaacc ttggtattcc 120
cctttggtta cctcttggtg ggaagaaagg aatggaatta ggagatcaaa ggagaaaaat 180
aaaggtgttc gcctaccaat aattagttaa aatgctcttg gagggagaaa acaagtctcc 240
tatgtgtgta gaacttcaag cctctacctc aagagatgag agaattcttg agagaaagag 300
ggaaagagga tgtggggaaa gaacactgtg tctcacgctt ttgaagcttg tggggtgtgt 360
ttttgggagg tttcttgagc tttttgtaaa ttgcctaagg ttttc 405

<210> 23633
<211> 384
<212> DNA
<213> Glycine max

<400> 23633

agcttgacat taatatttat ttcttttctg gaggccatca attgtttata atgagagtaa 60

cttacactat tctatatctt ctttggtgga gttggtgggt cgaaactaaa ttaaagaata 120

atagtgttct caaaatatat attattatgc aaaaaaaga ccaaactaaa cgtgcaggta 180

aaggttgagt ttaattatca taaagtgttt atatatagtt ggcctttgtt ggtcgatttt 240

gccagtgtca tataaactag tattaaggag ctagaggcaa tgggaaagag caatgttctc 300

gttgaggggtg gaactgggta tgttgggatg aaaatattga atgcaagttt attacatggc 360

catgaaacct atgttcttca acgt 384

<210> 23634

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23634

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gaataataaa gtcattctga ctacagaaa atcatataag tctcatataa ttaatataga 120

acctatatcc taatgtcaca tcctatcaga gcgtgggtgtt cccgtgtcct ctagcatgag 180

gttcttcata gtcattccatc tattcatctg ctcccccgaa cacaagttca agatcatcac 240

aggatccaaa cacaacaaca cacagggagt gagttatcac attcctagct aatagagaaa 300

caagacaatt aaatatacat attatataaa tgagatacca cttgcttaaa catagctcat 360

gttacttcgc cacttagtcg nttcaaattc acttttcaat tatcaatcac attac 415

<210> 23635

<211> 154

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23635

catctgtgcg gtatttcaca ccgcatatgg tgcactctca gtacaatctg ctctgatgcc 60

gcatagttaa gccagccccg acacccgcca acacccgctg acgcgaaccc cttgcggncg 120

natnnaatat aactnnata atgtatgcta tacg 154

<210> 23636
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 23636

agcttcgaaa aaatctacaa gcttcgtatg gtctgaaaca ggtaaaaggg catggtataa 60
 ggaaattgac agttattttc taaaaagaag gttttaagaa gaggtaaaat gaagtcactt 120
 tatatgtgaa gtgataaaaa aatgaagtgc aactcattgt ttccttatat gttgatgatt 180
 tatttttttat atatagggaa tcaaattcct taaaccaatt caagaatagt ggaaccttgg 240
 agaatcttta tgatagatac aattaatgta taagaaaatg atggagagct accatgtcga 300
 agatcaatac aataaatata aacaacattt gacagcttct agaaagagaa aacaatcaaa 360
 aggtaattgg tgttaagtgg gt 382

<210> 23637
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 23637

ctgaccaaac cccagcagca gttgtttcct tagagacttg cctcagcacc ttatctccga 60
 gactgaggat aattgcacta tgtgccttct acagtaatgc tttcttatcc ccatcaccca 120
 tcatcttttc aagtttggtt tctccatcaa gtgcttccac caggccctgc tgaacaagaa 180
 gagttctcat cttcaatcgc catagcccga aatcattttg ccctgtgaat ttttcaacct 240
 cataactggc tgagcccatt tcttgaatcg aactcaaaat tgctctatgc tcaccgcacc 300
 aatttgttgt gccaaagatca gattataatt cacaaaagaa tgagtttctt gtatgaacaa 360
 gaataagcaa aatg 374

<210> 23638
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 23638

agtttgtaaa cacaataggc aaaatcttct cttgttacag catttgcacc tcacaaccct 60

gcctttatca tttctcttac attgatggca cgtaaagggg ccctcttcat cacactgata 120
 attgagaaac aaaaaacatg atctcaaata caatgttgta tgtaaagaca aactcaaaca 180
 tgcattcata tttgaatgat aaatcatatc accttggcct ttctcctggt ggcttttggc 240
 tccatctctt gtttacagcc cctaagacca tattttttct cagtgccaga catttcagat 300
 tcagccattt catcatatct ctttcttttt ctactgggtc tctgctcgga aacccacct 360
 tccatggcgg tagcatctaa ca 382

<210> 23639
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23639

cgacgctagt ctttggattc tgatnctgaa nactgaaanc nccgctgttc taaaaccact 60
 ggacattttg gagtcttttt atcaattcat attttagttc tcgcgtatcc atctttggac 120
 gttctcgtct ttccggcctt tttatcaggg aagatgcata caatgatcct cccggtgctc 180
 gttacgatag aaagacagcg gtgtctcttc aacttgagct atccgcaaca gcatctggat 240
 acgctatacg tgcactgggtg ctaacttgat gacgggtctg gctctaaatg ctaggcgaag 300
 aatccgctgt gatatgttct ttgcatcacc acagatgatg ccacaccttg gggcacaatc 360
 tccaaatcct catgtagggg aggtcctaaa tgactcattc acgctgctc atacttgatt 420
 ccgttacatg tataaccatc cacgtccaac tgttcagatg aagatggttt gccctccata 480
 tatattgtcc ctcatccta ttacaagccg 510

<210> 23640
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23640

agcttttact taaatcacc acccaaagaa aatcccttac aaccaaataa ccacaacttc 60
 ttaacggcat aaagtgtacc acgacctcac gaaatggacc cctatctatg tattgggtatc 120
 aaccatcatc tactcataca tgtaaatctg tgaaactaac gtacaactca aagatgaaag 180
 aaaaaaatgt aagttgttct ttactcact tgaggaaatt tcaaagattg tgcttgtgtg 240

aaacaattta tcttcgattc agtcaatgca ttttaacaat ttttatcttc cttacaaaaa 300
taggaaataa aagaaacaat tattattcaa ttgttggttac ctgaaaatga tgcagagtcg 360
gaaaggacac agtagcctcc gcg 383

<210> 23641
<211> 193
<212> DNA
<213> Glycine max

<400> 23641

gcgtagtcca ccattttccc tagtagaata ctggaaatgt gtctactatc attgccatcg 60
atTTTTtctgt cattgagggtg ccacttaagt tgccagggttc tctccacctt tgggCGtatt 120
cttttgaaag aatcgtgccc cctttttgca catgttctgt agttgcaccc tattcgaaga 180
cattattccg aca 193

<210> 23642
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23642

agaagcagaa acgttgancc tttgatttga tncctttgag acatacnaan gccaatnggg 60
cgcaatgcac cccgggaccc tgggaaccn actttccggc ccgcaggctc agcaagtctt 120
atcgtcgata ataaagagag actccttggtg gagaacacta actcacgcaa cctaaatcga 180
gaccatgtgt gttccatata atataccatc tcagaacggc agaattctgat agtgtgatct 240
ctaagccaga catgaagaac tcaactcggtg caattgtgaa atgtgatcaa ggtgatctat 300
caggcacgct tggattcatg atgatcatga gtatccacgc actcataagt attatcagtc 360
cacaggctta ctaaaccatc tgcattctgaa acatgaagtg gatctaact gcaaccaata 420
tgtcataaag aacaaagtta gtacggatag cctcatacca caagaaacaa ttagtgatgc 480
acgagttaca tacaatgctc ttaacatcac tgacgcg 517

<210> 23643
<211> 362
<212> DNA

<213> Glycine max

<400> 23643

atcttttggtc tgtgtggatc ttcacagaac aaaatctctc aaactctctg aatcttggac 60
cttactctct ctagaactct ctagacatgc agaagcttca agataaggcc aaactccctc 120
aaaaatctga tttcaggctt aaataggtgg ctttgttcgt gctcgtgcgc ttatcacaat 180
tctgaaccgc ttaacgcgca ttagtgaata tcggcttagg gcggcttttc tcgctcagcg 240
gatggactga agcgggtgcgc ttagtgggat ggcccttagc tcaacgaaca agcacaatct 300
atccatcgtc catattcttc ctgcgcgtta tacgatgaat gttgcgctca gctaattggct 360
cg 362

<210> 23644

<211> 374

<212> DNA

<213> Glycine max

<400> 23644

tgcttctatt atctcccctt ttaggatgat gacaatcctg aaagcaagaa acacatacac 60
attctttgtc ctagtcgatc actcacttaa ttctccatat tctccctttt ttgagttaa 120
gcttcacttg aaattaagtt atttaattat gtgagttctg gatttaattc ctattttctc 180
tccgcctttg gcatcaacaa gaagccaaag tgggtaacaa ttataaaaca tacataaatg 240
actaatcata cacaagacat tgattgaaaa atctaaacca atcatgaagc ataaacatga 300
ataaccata ttaatatata aaccacatag tcatataaca taattcatac caaagtagtc 360
atactaagca aata 374

<210> 23645

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23645

agcttagaaa gtccctcgga ttcaattttg tgtgttcatt gttgtataac atgagatgaa 60
atgcaaaggt tgggacttat gttagttttt tatgatggaa tgagcctaaa cacttgagca 120
tgagtgaaac aatgactgtg aggtttgggt aatgatacct ccttgatttc tgccatccat 180

actagcttat ttcagttgtg actataatgt gcatgattct atctttgaaa aactgcatgt 240
 ttgtgaaaat taattgattg aagcagtcga tgatattcag ttcatatggg tgaattttgt 300
 tttctgtgaa gcaaacacca tttttgagtg atcactgtag ctngtcactt gaggacaagt 360
 gaactgttct ttctt 375

<210> 23646
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23646

tccatcaagt ggtaatcaga gcacaagagc ttcaagtatg tgctccttaa acctccatta 60
 attttttgcg ttaccttctc ttccattggt gtttcttcat tttctccat gtatctgctc 120
 acatgtcttg tgctaaattt tgtaacatg attcttgaga gtttccaccg attaaacttg 180
 ctataaaagc tagatttgat tttctgtggg tcaaatttct tgttcttggt cttgaaccat 240
 gaattgtggt gagtttaagt tcctttgagt tttgtcattt tttgtggctg aaacctaacc 300
 cataaaattc ttacaaaaat attaaagtag aagaaaacct caaaaatcta gaggacttg 360
 ttcacctatc ngtagtttgt catagaagtc atgtc 395

<210> 23647
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 23647

agcttcttat taataataaa agaactcctt tggagaacat taagcaagca acaaatttaa 60
 accatgtttt tccatatata tacatctaga aagtagaaaa gaagtatgat attaaagtaga 120
 aagaaaaatc atcggaaaat aagaaatata tcaaaggatc aacaggcacc ttgtcttcat 180
 gatgatcata agtagcaaca cattcattag tttttacagt ccacagcttt actaaaccat 240
 cagcacctga aacattaagt tgatcaaaca tgcaaccaa atgttataaa gaacaaaatc 300
 agctacagat agcctcatc cacaagaaac aatttgtggt ccacgagtaa caaacaatgc 360
 tcttaacaca cttgacgtgt 380

<210> 23648
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 23648

ctcagcttgt tgcttggtta gagcattaac acctccctct ctcaacagtg gaaggataac 60
 atgctactgc aatcactgac ctcaatggcc tgatgagcct agttgtttgg atcagcactt 120
 cttttgttca acttttagat tatttttttt tatcattcag aaagagaaat catttaaatt 180
 tgtttctaata aagttttgct atgtgattga aaattttaat tataaactct cgttgagatt 240
 tgaataaata tgtctccagc agcaatccac ttatacaact aaagggttat ggatttggtg 300
 aaattgctta agttgatttc cttaatgcct cttaagtctt atcacatcag atttgaagtg 360
 tttggatttg caacatccat tagtaaaaaa c 391

<210> 23649
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23649

agcttacttg tattaatata attagcacat tatcaagtac tcattggatt taggagattc 60
 aaaggattgt aatttctcat ggttcattga tgtttttttc ttttgtctaa tgttattttt 120
 tcattcagca attgtgcac taattggatt ttaatatcta gtgtcaaaca ttgaacgaag 180
 aagaaatatt tgaagttcag acagcttatt actttttcct ttaggttgga tacatgtaag 240
 tgggccacta atgttggttg ttacttattc attattttta ttatattcat gagtaaatgt 300
 tattcttccc tgngtggtga ctgcaaaaaa cttaatatga agcattgatt tttcggcaaa 360
 actcatttgg ttagaactat cctat 385

<210> 23650
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23650

ctgaaccatt atatcaataa acacatggtg agttttattt agaaaattag agtttatctc 60

THE

[illegible]

THE

THE

THE

[illegible][illegible]

<210> 23653
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23653

agcttgtagt gagcttcata acaaggaaaag ggaacatgg ctcaaaaggg ctatcaaagg 60
 aattaattca aggtaagtcc atttggctag gagcttataa gaacaaaatt gcctaaatca 120
 tttccaaata tgcattgtgaa ttangaagca tcaacaagaa tcaagccaag actattgtgc 180
 aagcaatcaa tggggcaaaa cacaccaaatt gattatgatg atggatggct canattctta 240
 caaaggtaaa ctcatcactt tcaaattgag ctttcaaaac tatcatgaca tgtagaggaa 300
 aagcaaggat ttcaaattgc ataattgtca gatttttgtt aaanaaacia ttacccattc 360
 cttgaacata tcctctaatt c 381

<210> 23654
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 23654

ttacaatcaa tctgtctact gactaacaat tgttattgca agttcacatt cctgttcttt 60
 ctttgttcga catgcacact tgctcaactt cgtgaaagga aacacgaata ttatcttaag 120
 catgcattca atttaaaaca aagtcacaca cccatttttc acaaaaagat aaaagtgttt 180
 cactgccatg tcattctaaaa taagttaaac tgttcaaaat gcttcggat aagcatacta 240
 actattcata tataaaaacta gtagtatata taaacatata ggaaatatta tatgaaagcc 300
 aaaatcataa taataaccaaaa aaaagcaaaa agtgacatta agaatacaca tgtcacaagt 360
 gtttagactg gagaatcgga gagagtaata gcttctacag atgatg 406

<210> 23655
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 23655

agcttgacat ttatagctac ccctatgcct tgtttcattt taaaagatta aatcccataa 60

gaaaatgaag tgaataattc aaaataaata tttaaccatt ttttactatg aaatcctcaa 120
accattctag ttatataata ataacgaaaa aataatatat tttggcttaa gatttagaaa 180
atgttaaaaa gttgatttaa acttataaaa gtgacttata atttttaaat ttgggttttag 240
tactgtttta ataaatttta tatcatatth atgattttaa attgtatata atatgaattt 300
attaataagt attttattta agttatttat ttaatcattc ccttcaaaac agcttgtact 360
ttataaagct attgggttat gaaattgctc 390

<210> 23656
<211> 414
<212> DNA
<213> Glycine max

<400> 23656

tgtactttca agctatgatt ttaatgcggg gatattcttg atgttgtacc aggtaatttt 60
gatttggtgt actttgaatc ttttttacc ttttgtgtat tgtgtagtga tgtgggagtt 120
gcttgaactg gattgggtct gacacttttt tgtgtggatg cagaatttaa tttcagttgc 180
tattgtttcc gtgttgagcc ttctgggttt agtttcaact gagccgctga cgtggagatt 240
gatcaaggctc tgggtgcctg tgaattttat atttgttggga atgctcgtta caagcatggt 300
taggtatgca gtcttctaca ttgtggctat tgttatgttt tcattctctc ttttagttgg 360
aatatattga ctgatggctc taccaaaggg gatgggtgtg gcagatgctt tgtg 414

<210> 23657
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23657

agtttataag acaatcaaga agaagaatag gtaggggcat agagtagttc aactatcttt 60
ttggttctca gaagcaacat ttgcaaacct cctgaagcaa taacaacact caattaattt 120
catttcaaca tacgctaaaa atattaaaat tcacaatata aagtccttac cttagaaagg 180
tgtttacagt tggatttccc atctcaaact ttaaggctgt gagcatgtca gcttccatct 240
ttacaaccta tatataacca gttaccatgt aaacaaaagt gacggggaaa gatccaacaa 300

gtaaaaaacc ataacataat ccggtatcac atcataaata agagaatact anagcatatc 360
tatttacctc tgcc 374

<210> 23658
<211> 394
<212> DNA
<213> Glycine max

<400> 23658

tctgcctttt ctattttctgt gacctgaact gtatttgtct tcttctcttt atccagatcc 60
ttaaactgca gtgattgtct gtagtcactt gtggcagtga cgaacactac aagcaatatg 120
cttgcaacaa taccaattcc atcctgtgca cccttgggcc acccttccat tattatacca 180
accaccaaag agaccaaggc acagacagca agtatcatga gggttgtatc ttgaagggat 240
tcccatacat aaacccaaaa tccacgggct ggactttcag cgaatttatt aactccataa 300
atttcttttc tctgattcac caagtgtcga gatgttgata taccatcatc aactgaggta 360
ttgagtttgt ttgtgatagc atcaacccca ccat 394

<210> 23659
<211> 373
<212> DNA
<213> Glycine max

<400> 23659

agcttgagca atcctcacct tacaagccaa ttgtgtagaa ttgagttaga tcctaattccc 60
aaatactaag atacaccata actaacaact gttctttgat gaaaaatatc ataattgtca 120
cacacatctc ttagatgggc catgcctcat aatgatgtag tcaaattaaa ttagatgac 180
agctgcatta atgggggaaa gcttgaaga gatgtaatta gatcaagtaa tggatgattgg 240
tttgatgact tcacagcttt ctatgaccaa ggtgacattc ttttagcata atttcttgct 300
acgagagaca ggctcaatat ttgcttgat aatgggttgc aagggtgtga tatgccagtt 360
ggattcttgg atg 373

<210> 23660
<211> 316
<212> DNA
<213> Glycine max

<400> 23660

cttttgggaa ttcttttggga atattttaagg acttattaca cattcctctc agaatagaca 60
tattgtatac tgaaatcaga catatgaatc aaaatttatg cctagtcaaa gaaatcaaca 120
agaacacgat gttgttgtat atgtatacaa caaaattggg tttccattgc atatatatgg 180
gggtggaaaaa gtagaaggga acacatgatt tcattatata ctcttacaac ataattgtgt 240
ttccattgca tatatttggg gtggaaaaaa tgcaacagac agacaacttt attgtatact 300
tttatgataa aatcgt 316

<210> 23661

<211> 381

<212> DNA

<213> Glycine max

<400> 23661

atcttataat atatcgatac gctcgaaatt aaacatcgaa aactctcgtg aaattcaaat 60
ggtcataact tttcacacgg atgtccgatt caggcaaadc acatatcgag tcgctcaaaa 120
ctgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacac ggatgttaga 180
ttaaggcgca tcacatataa agacgctcga aaatgaacaa cggtagctct cgagaaattc 240
aaatgggcat cacttttcac actgagggtcc gattcagggt tataatatat tgatatgctc 300
gaaattaaac atcggaagct ctcgagatat tcaaattggc ataatttttc acatggatgt 360
ccgattcgag cgcataatat g 381

<210> 23662

<211> 403

<212> DNA

<213> Glycine max

<400> 23662

tgaatcggac atccgtgtga aaagttatga ccatttgaat ttctcaagag cttccgttgt 60
tcaatttcga gcctctcgac atattatgag cccgaatcgg acatcgggtgt taaaagtcac 120
gatcatttga atttctcgag agtttccgat gtttaatttc gagcgtattg atatattgta 180
accctgaatc ggacctgagt gtgacaagtt atgaccattt gaatttgacg agagcttccg 240
ttgttcaatt tcgaatatca ctatatgtga tgccgcctaaa tcggacatcc gtatgaaaag 300

ttatgaccat ttgaatttct caacagctgt cgttggacaa ttctgagtgt ctcgatatgt 360
gatttgccctg aattggacat gcgtgtgaaa agtatgacca ttt 403

<210> 23663
<211> 382
<212> DNA
<213> Glycine max

<400> 23663
agcttccaca gggatatcta tcgtgataca gtaacttgaa acaatcatta agcttttcca 60
taattttctt agttcactgt gacctatgca tatatttata tctcaaataa ttcacacact 120
ttcattagtg ggagatgaat tatttgcaca atccttatct accttttggc agcaccataa 180
gttgcttttag ccaaataagt gagcaagcgc tatataaatc atgcaaatta acccgatacc 240
ttaattatct atctgttgta tataaaagtt ggggcgtgaa ttttttaa atgttacctata 300
tttatgaact ttgtcgctg agagttcggt tgatggtcag aataggactt gataagataa 360
aataattatc atatcaagtt at 382

<210> 23664
<211> 374
<212> DNA
<213> Glycine max

<400> 23664
tattctcctt taactgtttt gcctttcgtc gcttacccaa aaagactttt gcctctcatc 60
gctgacccaa aaagatcgct gtctcgcttt cgctttgtc tctgtcacia ccttcctatg 120
ctgacaaaat ttttgggtgt ttaagcgaga ttttgtgttg atgttggttg atttatatca 180
tgctatattt tttatttttt cagatctaaa agagattgga tgagataata attttttttag 240
ttgttttttt aaataaaaata aagatagtag cactttttta ccgtcaacat ttaaagttaa 300
ttatttttaa agatttaatg tcattattaa tctattatat ttgaaatta ttttggtttg 360
atatatgaag tttt 374

<210> 23665
<211> 369
<212> DNA
<213> Glycine max

<400> 23665

tgtttcaatc ttgtttggtat tatgagattt ctgtccatac aaggaatcaa ctcttataat 60

cgatcatcac agaccttaaa aaagttaaata gaagagtata aacatagtct gaagggtgtc 120

aaaagtagta aaaactagaa acttacaatga acggaaaact aataacttta tcatttcaaa 180

atcttaattt aactcactgg aatgctcttt ggacaacact gccctctcct ccaacaactg 240

tggaggaaga ttcacatca tctatgtccc ctcccatacc agagtggctc ttagatttat 300

caccatacac tacagacgat gaatcactat tctgagaata taaatagata aatccaccaa 360

ctatcacca 369

<210> 23666

<211> 356

<212> DNA

<213> Glycine max

<400> 23666

tataaaactc agcttgatgt ctaccaaatt tttattgtaa gccgagctgt gcctttgaaa 60

agaaccccat gataaaagca tatgacagga aattagtcaa gtcttacata ttcaactcaa 120

gccgaactca aacttaataa aatttgagtt gcctcggcta atttatggag tataggatga 180

gactgattgg atgcaacaaa aaaataacct ttaaagaatc gagccctatg aaatgctcat 240

ttcctaaaaa gatgtgtaat taaaattagg agcccgtaat tttaacattg gttgccctct 300

accctttgat atcctatcgt taaaaaaagt tgtccttcat ggccaataaa aaatgt 356

<210> 23667

<211> 374

<212> DNA

<213> Glycine max

<400> 23667

agcttgaccg gatgtaagat acatcttctt caaccttaat cattcttgac tccatttcat 60

tgaagcgcat atccacttgc agttccaaag tatcaaactc ctcaccaaca aaggtttgaa 120

gaccatcaaa cctttccaat atcttagaaa gaagagatga atcttctccc tcatgtcctt 180

cttcaccaac atttctagca cccttcttta tccaagatcc atcatgtctt ttaacatata 240

caaaggatgc tatgactgaa gcgcctataa ggaattatct cttgattaga acataagggtt 300

cagaatcaat agggatgttg aagtgttgaa ggaaaagggg aacaagatga ggataatgta 360
atggcgcatt caat 374

<210> 23668
<211> 384
<212> DNA
<213> Glycine max
<400> 23668

tgcattttta attgcgaaag cccactcca tcatttggat tagtacctga catctcaaac 60
aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
tgtatcacac aatgatggct tttctctaata gaaacactct ttcctttttac cactctaatt 180
ccccttgagt tcttaagcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
atgtgtaagg taaggctata gagacaagga aaagggttaac caagaaaagg ctaacaatgt 300
ttttaggcac aaatgaagga aataaaattc agaatctagg aattcaagta acaatcctcc 360
atgcaaccaa tatattacct taaa 384

<210> 23669
<211> 378
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23669

agcttcaact cttaaagtag caccctaaca ccctttccaa ggaccactcc ctaactccaa 60
accccatgtg tctcttcctt accttttgta acacccatt tttttcgtaa aataaattaa 120
aaaggattat atttaaaaat aaagagtttt aaaaaataa tgaagatttt ggaattaaat 180
aaataaagaa gcaaataaaa taaatatatg ttatttaaaaa atgttttatt tattcatttg 240
ataggtagta aaatagagtt tattttttata aaatgataaa atcactacca caaaaatgat 300
cttctacgat gcacgtntta tgatgggttct acaaaaactg attgcataag taaagtgggtg 360
accattttgt aaataact 378

<210> 23670
<211> 385
<212> DNA
<213> Glycine max

<400> 23670

tatcttgttt ctaaccaagc cctctggtat ggtaatcgat tacaaggaag agtaatcaag 60

tatcaaacc taaaacatag ttttttctat aaaaacttac tatatggtac tcataaaacc 120

tacacactca ttgtaactat tatcaacaac aattaaagat ccaaaataga cattgaaaaa 180

caagcatcat aaacttctta actaccatca tcaagcacia tcaaaaatac aaagaccatc 240

atcaaaacac aaactaagac aatctacgac gatcattaat cttgaaacag ctattaacat 300

gactatccga actcaatggg agacgatcgt taaaccgcaa ttaataataa ccatcagaaa 360

caaactcaga tataaagaaa gaaaa 385

<210> 23671

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23671

taatcttaga tcgaagtgtg aganttaagt ttttaagtga tctttcttgt gagaagaaga 60

actgttatct gcacagttga atcacagacc cattttctat aaagtccagt agtagctgga 120

agaagataaa tctagtgggt tagttgggtct agcagatgct aggtttgaag tccaatgagg 180

aactaatagg ttattgaaat ccattagttt gctagtctaa ttgtgaattg gttgtgttag 240

tgaaatctca tctttaaggg tggaaactat gcctagccca agattggggg gaatcaatat 300

aaaaatcctt tgtgcactct ttcattttcc tttcctttcc tttgctttgg acaaatctga 360

aaactatctt tgaccaaata attaatatt gtatcttacc aaacttaaca acagaaccaa 420

acattgtttt ac 432

<210> 23672

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23672

tcgggctggc tgagagataa ttatgaccaa gtttacttta gccattncta gggtaaaatg 60

gggtgttgag gatgtaaatt ttcgaccagc ggaattttat gtgtaaatct agtttgagca 120

agtcctaaatt gatgttatag acctgggtga cgagagagtt tgctccaaac ttatcccatt 180
 ctcaatttcg cttcttatac cttgataatc cattaaattg atggggtttg gataacctaga 240
 ttttgtg 247

<210> 23673
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23673

agacattgag tttgatacgt agnattcact gngacactac acnaatactt agagcnaact 60
 atgcgncaca gnaanagagg gaananggag atcttanega ctatttgatt tatncttctg 120
 ttacagtcca ctacaagata gagccggact cgaagggatt atggcgatg ataccatcta 180
 ttgctcactc attaagaggg tntgttcatt gcacactgca tccacatatt cggaatgtgt 240
 atgttccatt gatctctctt taagatcaca ttatccctcg cgcacgcgat aggcaatgca 300
 aggcataacg acaatttaac ttcataaagc aaatcacaag gtcaaacgtc tcaatcgtat 360
 ggagtaggac aataacctta attaaacatt caagatcctt atattctcgt cttcacagtc 420
 ttaaactaga taataacacg tgggtatact ctttatttct caacgcaatt aacctctatt 480
 taaaatatac gtgcggagat tttcaaaatt cacttgatat tcgtataaag ttgggtaatt 540
 aatgtatttc ctcacacacn 560

<210> 23674
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 23674

tacttctacg agataatgag gtgtcttata tcataaaagt tcgctatatt taaaagcatg 60
 ttatctctta agtggtactt gggtaatatg gaatctatct gatacaacat ggaattctat 120
 actcacgaaa tatcttcttt caccatgat gccatctacc ttattattga aattaaataa 180
 agcatctata catgcgttta gttgtaaaca gttctaactt ttattagttt tgaaatatac 240
 accaatgagc catccaaaat tttgggtcaa taaaataact atatctaaat atacttatct 300

tataattact attacaacta ctactcttgt cattaaaata attaccatc tggcttgcga 360
 atttgacact ata 373

<210> 23675
 <211> 133
 <212> DNA
 <213> Glycine max

<400> 23675

gatgagtatg ctcaaatata tgcggagaaa gaggctacag gaagggtgat cgactctcta 60
 caccaagagg ccaccatggg gatggaccgg attgctcata ccttgaacgg gagtcaagat 120
 cttccccgct tgt 133

<210> 23676
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23676

tcaacgttca ttntcgagcg tctcgataag tttctgtatt ctatcagaca tccgagaaaa 60
 aagggtgttg cgtttgaatt agctcagaag ttcaacattc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgagtaa aaagtcattg tcgtttgtat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tattacgagc ctcaatcaga catccgagta 240
 aaaatttatg gtcgtttgta ttggctccga gttcaacgt tcattttcga gcgtctcgat 300
 tagttacggg actcaatcag acatccgaga gaaaagttat tgctcggttga attagctcag 360
 acgttcaaca ttcaatttcg agcgtcttga tatgttacgg gacttaatca gacattcgag 420
 taaaaagtat tgctcg 435

<210> 23677
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 23677

caaaatactg aatatataaa ctaaatgttc tggagaaata gatgtactta agtaaaacat 60
 aaggcgaaat acatcggtgt gaatatcaaa tataataata gatctacaat ctatgaagaa 120

<213> Glycine max

<223> unsure at all n locations

<400> 23680

ctccgcttta ctatttatgg cccttcatct tatttgtttg ttgtctctaa aggaaagtgt 60
ttacttgatc tcacatctga agttttgatc gtgaacatta atgatttcat taaatgtgcg 120
tcctttcttca tgctcgaaaa ccactattgt ttgctntcgt gtagagcatc tacaacaaaa 180
aaccacttat tttgagacaa agcaagtcta tcacggaaag tgtgtctttt gatgtgttga 240
caacttttaa atttgatctt atagattcga catatcctaa agaatgcttg gagacagttt 300
tacaaaagaa tctcaatata tagtataaat gaagcttcat gtatctttat gttgatcaaa 360
tatgactact catgctttgc caacttagac catgatacaa cat 403

<210> 23681

<211> 317

<212> DNA

<213> Glycine max

<400> 23681

ggcagcatat tcacacagca ataactattc tctcggtttt tggattgagt ctcgccatat 60
atcgagacgc tcgaaagtaa aaatggtgaa cccgatcaaa ttcaaacgac aatgactttt 120
tacactgatg tctgattgag gcctatcata tattgagagg cgcaaaatta aaaatggaag 180
ctccctgcac attcagacga cgatgacttt ttattcttgg attagcgatt gagtaccttt 240
atatatcgag aggctcgaaa tgtgtaatcg aaagctccga tcaaattcta acaacaataa 300
ggatttactc ggatgtc 317

<210> 23682

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23682

tcaggaacac gtaatggaac taatgagact gaatcatcat gtggagaatg ataaganaaa 60
gaaaggaagt ttgaaccata gacaataaaa tctagcctct atagcaagtt taatcggggg 120
aaactctaaa gaatcatggt aacaacattt agcacaagac atgtgaggag atacatggag 180

aaaaatgaag aaacaacaat gaaagagaag gtaaagcaaa aaattaatgg aggtttaagg 240
 agcacctact tgaagctctt atgctctgat accacttgat ggaagcttgc ttgtggagct 300
 tctatggagg ctggatcttt gagctttaat gaggtccttt aatgggtgatt ttccaccatg 360
 gagatgcagc ggaagacaaa gaagaagagg taagagggtg cgccatccac tanggaataa 420
 gccatggaag aaggagcttc accacc 446

<210> 23683
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23683

tgtccttggt ttagacatga ttggtacatg atttgtgtct tgtaggattc aatttgggca 60
 aaattggatg agggaaagag tgggtttcga aatctgcact ttatgcagaa ttttgttggt 120
 gaaatgtgca gcagaatctt gtataagtgc agaaaaatgc ttgtgtatgg ctggttggtga 180
 aaaggatagt acatatgggg ttctggacat ttggtagcag atcccaacgg tcataatgta 240
 gacttatgta ctagagactt ccagtaaaat ttttgagtca atccaacggt taacgaattg 300
 gaacgaagga aatgttactg gggatattgt atgtgaaaag ctatgattnt gagttgtggt 360
 ttgggcagag ttttctgcct ttgccctggt ttgcttggtt ttgttagtcc atgatgattg 420
 gatgtggact cacctggatg 440

<210> 23684
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23684

tgatgttacg ctaagtctcg catctcangc taagcgcata ttgcagaaag atttttggtg 60
 ttgcagaaag cgctaagcgc cgctgtcgc gctaagcccc aaatgcttac gggattttac 120
 aacttcaagt tgggcttagc acgaggctag gctaaatgct agtgttttta acttaaacad 180
 cacgttggca cgctaagcgc gccatacaaa attcagtttt taaaaagcaa aggagaggc 240
 acttgggtcc ctacccttgc acccaaact ctccaccttc tcatctctaa gcattctttt 300

gctttctatt gtgtgtgtac tacttctctg catcatttnt gcttcatttc aaagacaatc 360
 caagtaactt agcatacttc tattttttac ttttcatgct tcaaacctta ngatagttga 420
 tttatggttt tcgt 434

<210> 23685
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23685

gatccaacat tgaatactga aagtgaacag caatcttggg tttatgattg ttgcagcatt 60
 ttatgaaaca atctgacttc tgaaatacta tttatctagt gcttcatgat tgttgcattg 120
 atgtattaat aagtaatctt cctttgtttt aggtggaacg atctcttcta gtgacaggct 180
 ctgggtatga tcatgatgat gcatgggcta cgaacatata cttattcaaa gaatttaaccg 240
 atgtcagcag ggtatttgtc tganatctat taaattgcac ctcatttctc tgccttccac 300
 ttcataattct tgactttgat gtttaggggtg taagaacgact tggcgcatct gccgtggaca 360
 tgtgtcatgt tgcattgnga attgtagaag cttatcgga atatcgcta aagccatggg 420
 atat 424

<210> 23686
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23686

cgcataatt tccttcagat tgagctgaca ttcgtttctg tcgtcattcg gttcaaagaa 60
 gctgcgctcc agaaccgtac gtgagatttt catctcatc ggctcctccc ttatgtgtgt 120
 aatgataaaa atacatagaa tcaaaaaaga ttgcagtatt ctcattatta actgaacagg 180
 gctagtgttt ttacaaaaaa atatctagcc aaccttctctg taaaaaatga tttcttaaca 240
 ttaagtatgt tggtagtga taaaaaaac agtaactcca acaatttctt tgcctcaac 300
 gctgcttaat ttcgcggaat tagtcacctc aataatcttc gatgggtata tgggtatcca 360
 aaatatgaac gagatggata tttattgtcc caaccattct tgtttgtcgc aatctcgata 420

<210> 23687
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23687

tgcagcattg gacatcaacc caacttcaag accatatttg ctttaatacc atattacaaa 60
 tgaaccaaac ttaactcaac ctcaaagcta actcaagggg agaggattac ccagtcctta 120
 aaagttaaaa cgaaaatttt gccccattc ctatagctga ttcaaattct gttaaaactg 180
 cactgaact tgtaatattt cattcataaa aaaatagtc ttgacatcca ctcancatgc 240
 tgtttgggga aggctcatca attgccttcc gtgtcatgat tgcatctac tgctatttac 300
 ccttttttaa cttatattta ctgatcttac ggactagctc ctatgttacc atctggtgga 360
 atctcagacc atgtaactta tgctgatgcc tgcacgcaca taaagtggat ttatgtactc 420
 cattct 426

<210> 23688
 <211> 415
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23688

ngaanatgca tgtgggtacc tattntgaat ctctatgct gtctctacat acataaaaca 60
 gtcccaccat cccaattttg caaaaccata ttcatatatc attggggcat ttcaccgagc 120
 acttggtggg cgcacgtttg gacataaatt gcaagagaat gagggcaatg tggcatgccc 180
 cattgcttca gaacacaaca taggcctaag gccttctcat tcaaatacctt aactcaagaa 240
 atcaagcata aaaacaaccc aaaactgccc cacaaatata agcacgttct cacaatttag 300
 agcaccaaaa gatgaagaaa atactccaat gggaagcaaa aaactcaagg attggatact 360
 tacttggttg agtgagtaga aacaccaaen atgaaagcaa aatgcaacca aaagt 415

<210> 23689
 <211> 432
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23689

tattcanaac tttcttggtt aatatttgca tgatattttc ttcattgcttg ctctgttttaa 60
gtgcattnta tttgagaaat ttatttatatt attttattaa agaaagtctg aagactgaaa 120
gtgaacagag aaatatatat catggcagaa cgagaagttt ttgaaggacg catccggtta 180
aatttatctc atatatataa ttgaaactct ttttaacaagt ttagaaagtt tggagtccag 240
cacgataaag cagtgtttta tttggatctt gtttagttta aaaaatgggt tttttaattt 300
aaaatttatt ttaaagttga agttaaaaaa aattatttaa aatttgaaac tattatttaa 360
cttattaaat ttataaattg tacattttta aagtgggttt taattaattt ttcttaagta 420
gtttattttt ag 432

<210> 23690

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23690

gcttgctgga agatcctcng ttctctcttc ttggtatggt ggaaatttcc atcctaggtc 60
aaggtaatgg ccaaaaagtt gatgtttggc tcaaaaaagc ctgcaaattg cgggacatga 120
tgtatgttgg aatatctggt tagcaaattg ctcaaaaatg aagggaatgcc caaatcactt 180
ccatgaaaca catattatga taataagaaa ttcattgcaa attaatcatt gcacacatcc 240
atgtggacac tcgaatataa ggctttgtga ccatgcaaac actaaggctt agggtttggt 300
tccccattta gatcaaacca gtgtttcaac gattgctctt tttatcaagt catacaaaca 360
tccgagtcca ctttggcatt cggaataatc tctcgttgag ttcaccctct angtgtacat 420
ttctttttt 428

<210> 23691

<211> 437

<212> DNA

<213> Glycine max

<400> 23691

tctgtgacat ttctgtgac aaatccgtgg actttcttca tcgctcttca ttcgtttcttc 60
atcgttttatc gatcttcaac cggtttagttt tcgattttga agcttttaa tcatcttatg 120
cacccttaag ggtccattct tgccttctgtat gctttcatct tcatcttctt actttcggta 180
ttcttttctt tcatcttaag cgagtttcaa ccgaacgttt aagtcataat cgcacttaat 240
caatgtttta atgaatttca accgatcggt tgtgttgtaa tctcgtttaa tcgcctttaa 300
aataaaattc aaccgatcgt tcatgtcgta acctcggta atcatcaaaa aggcaagttt 360
cataccagac atttactttg aaaatgagtt gggaaataac caagtgaac taaggcta 420
atcaactcac aaatcaa 437

<210> 23692
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23692

ctataaaact ccgctttata tagctgacca tttatcaata aactcagtgn gggctattca 60
caaagtagag tgatctcttt tatcttagtg agagcgattc tcctaaattc ttgagtgatt 120
caagaacacc ctgtctgtat caaaggactt tcacaacctt tgtgtgttgc cctcgctgga 180
aagagtgatt ctttccttcc tatcatctcc acccttggtc tttcaaacca caattccaga 240
gaatccacct ctgcccaaaa ttatctctgt accatgactc ccatttcaca cactcaaatt 300
aagtgattct tgatcctaaa ttgaatttca aaacgagatc tttcacctcg ttttggaatc 360
acctcatttg gagccctgta gcttccgtta ttgccat 397

<210> 23693
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23693

gagtgttaga ttacatttat ctatacat tcttttattt attattacat aaaaacatgt 60
gatgctgatt gatatgtaac tacctaataa tcacgaattg attgatatgt aaccagtatt 120
gattctgatt tctccattat aaataaagat gagattcaag acacacaaca ttacaataaa 180

acactgttat agtccccaaa agtgtcaact ttntaacaaa ttcacactac cattttgtca 240
 actagcaaac aatttcatcc ctagaatgac caataatnng tataaatgaa aactttcata 300
 accaaagcaa cacaagatgc cactttctga atcaactttt atagtatcaa ctaacatcat 360
 aacagagcac gaaaaaatat cactgaaggc ttatat 396

<210> 23694
 <211> 220
 <212> DNA
 <213> Glycine max

<400> 23694

cettgcgtag cgcctcttgc tgctcagaaa atcccaataa ctaatccctc ttattactag 60
 ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgttgctc gttccctct 120
 ttgagaacga ggaggatctt cataggactt catctagctg atgtttatcg ccaatttcat 180
 catccaccac ccttttcttc tgtgccttct ctggtttgtt 220

<210> 23695
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23695

tagatgtatg caattntggc tgcttaagaa gcaagtggc aatgattaat tagctctaag 60
 tgctcagtgt atgtgggttt cgtttctcgt ttgttttgat taataaaagt agcaaactgg 120
 tttgaatttg cggttataag acaattaggt aagtatcctc tcttaatgaa ctgtgtgaga 180
 ctgtgacgta tgtagtcact caccactact ccgatgagta gtccccggta aattattggc 240
 acttttgctg gcttagctcc ctttgtccct tgtctgccag ttaatgtagc ctataaaaag 300
 aatataagac aaatttaaaa agatagttaa naacaaaaaa tatttactag ttgtaattta 360
 atatacgga actaatattt tagactgcct ttatataatt agaagttata ttagcaacat 420
 g 421

<210> 23696
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 23696

ctacaaattc aaatataatt ctgaaatttc ttcacaataa ttatgataaa aaaattgtaa 60
aaaggtttgc acggtccatt atcatatgcg caggggtggca aatctacaaa tttgcactat 120
ggaaaaccca tgtgacccaa gctcttggtta gccactttaa tagcctatat cacaaaatgg 180
tatataagcc aatgagccaa atgtgttcta agaaatgtga gactttgcct tttgtaatac 240
ccatcaaaac tacaacaatc ccccatatat tacaaaagtc ttcaaaaata ttttcaaaag 300
gtttaaaaag gataaaagaa gaggaaagaa agtgtcggac ctggtgtaat aagctatgtg 360
aaccattctt ttactggtag gacttaacac atagcgtagt tgggtgtggca agctatatg 419

<210> 23697

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23697

agccaccag ctcgcccagg cgagccaggt ttcttagtag gtccaagtgc gcttggtttc 60
tatttgcacc cccatttac taaatacacc acttccttn tttgctgatt cttttttcgt 120
aacgttatga aactttacga attttgtaac gatacttggt ttctttccgt aatgtcacgg 180
aaccttatgt attatgtatt catccctttt tgggcttccg gaaagttacg aaacctcacg 240
aattgtgcaa caatgcttcc ttttgacttc cggcattgta cagaacttca cggattgtgc 300
aacaatgctt ccttttgact tccggcatgt cacggaactt catagattgt gcaacaatgt 360
tttcttttga cttccggcat gtcacggaac ttcacggatt gtgcaacaat gctttctttt 420
gacttctgcc atgtcaca 438

<210> 23698

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23698

ntaacaacaa tgaagggttaa aaataaaccc tcatggtatg agaaaaatat atatcattta 60
ttaatttccc ctcttcctt taatgaatgt ttcttggtgt ttcccagagc tttacactat 120

tttggttcca ctaggccatg taattaacta ttattggttt aatgtttaga agtaatcggt 180
 ggatcataac agctcattga tttgttctaa ttaacagaaa gtagtgtaa aggtggactt 240
 acatggggat agaatcaagc aaaaagctat gaagacagca tctggccttt ctggtaaatac 300
 aaaattntca ccaaagtaca tatcatgcag catcaaggaa tcaattaatg attcattcat 360
 taacaaaatt gtgtttgtaa ttactttgca ggggttgaat cagtttatgt tgacatcaaa 420
 gatatgaaaa tgatcgtgtt ggg 443

<210> 23699
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23699

tcttcagctt ctgccgacct tttttcaagc tgtcaattga ttaataactc ttgccatgca 60
 cccacgcgac atagtttcac tagtttgcta agttcaatct cgacctcttt cctactagca 120
 tcaatgcact tcaatactct gcagtcagtc acataattac accaacagac aacaaggcca 180
 gggaaataat agacagtaaa tcaatggaac aataggtgaa aagaacttac attggtaaga 240
 actgcgcata aaatccaaag atattgtata agaagggggg nngntcnact gactanaact 300
 gtttaaaatg agaaaaagcc ttcagatnnt aaacttnnaa ggaggetnaa nntttctctc 360
 ttttata 367

<210> 23700
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23700

tctacttatg tggcagggcg ggcttccttc actttcttgt ttccaacgcg agctctgacc 60
 actgtccttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtcttt 180
 gcctaaaccc atcccgggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
 cgcacgcgac agacaagggt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc 300

aaaagactgg anagcggttt ctaacgattc ttctgcggt tccacataag gcatggagga 360
 tgggcagctt accaagatat ctctctcgcc tgacacgatg accaagtgcc cctccactac 420
 gaa 423

<210> 23701
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 23701

tccacaatat ccaagcaaaa caacattcac acagcacttg ctatcacagc caagcaaaac 60
 agagcagagg cagaaaactc tgccaaaaca ccaacaaaaa atcacagctt ttcccactca 120
 aagaccccg taacaattcc ttcgatccaa ttcgtaaacc gttggatcga ctccaaaatt 180
 ttactggaag tctatagtgc ataagcctac attttgaccg ttgggatcta ctagcaaaca 240
 tccagaactc attctacatt actctttcca caaccagcaa atacatggat ttttctgcac 300
 ttgtgcagaa ttctgctgca caattttaca gcaaaatctg cacaaagagc atatttcgaa 360
 aaccacactt cccctcatcc aattttgccc aaatcaattc ctacaagtcc caattcatgt 420
 atcaatcatg tctaaccca 439

<210> 23702
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 23702

ttcaacattc aacttcgagc gtctcgttat attttgtgtt tctattagac atccgagtaa 60
 aaaggtattg ttgtttgaat ttgctcaaag cttcaacatt caatttcgag cgtctccata 120
 tattacggga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttgctcaaa 180
 gcttcaacat tcaaattcga gcgtctcggt atattatagg actcagtcag acatccgagt 240
 aaaaagttat tgacgtttga atttgctcag agcttcaaca ttcaatttcg agcgtgtcgc 300
 tatattacgg gactatatca gacatccgag taaaaagtta ttgtcgtttg aatttgctca 360
 gagcttcaac attcaatttc gagcgtctcc atatattacg ggactcaatc agacatccga 420
 gt 422

<210> 23703
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23703

tgttgacaaa gctgaaaagt gtgtctttgt tgttgttgt gaaacatcaa aagcatataa 60
 gttatttaaat ccactaacia agaagattgt gaccagcagg gatgttattt ttgatgaaga 120
 caacacatgg gactggaatg agcagcaacc caattcaatt attgttgaca atgaagatgt 180
 aaaagaacta cagctactcg taaacattgt cttaacatct ccaaataag ctcaaatagc 240
 tcttgagaca gagatttcaa caccaacaaa tgctggaaca acagatgcaa ctagacatgg 300
 caatggggcg ggtcgggtac aggtattgtc tccccaatcc cttaccccg cgctcgcaca 360
 tattcccata cccgtaccgc ata 383

<210> 23704
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23704

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 tcttctactt ttggattct ttttctttgt ttttaagcaag ttttgaccga tcatttaagc 120
 cgtaattctca cttaataat tttaaaatga atttcaaccg atcgtttggt ttgtaattctc 180
 ttttaatcat tgttaaaata aaattcaatt gatcgtttat gttgtaacct tggttaatca 240
 tcaaagaata aatttcaacc ggtcatttac attgaaagtt ctcttttgac gagttgagaa 300
 ataaccaagt gaaactaaag ctaaaataca ctacaaaatt cgaaatttct cttttaacga 360
 gttgacgagt tntgtttttt ctattagata tataatatac gatcttttct tcatttggtc 420
 ttgcaccttc atccattct 439

<210> 23705
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23705

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gcagaggagc acaaaccaca aacccttgcg acaggtacag atttctgatt caaggccagc 120
tggtttacca agttgaccaa cgcattccagt ttgccttcaa gcttttttagt ttcagatgat 180
gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
ctaaactgtt gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggagtt 300
atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
ccttcataaa aatattggag aagaagttgt tctgaaatct gatgggtggcg gcaactggca 420
catagtttct taaatctc 438

<210> 23706
<211> 434
<212> DNA
<213> Glycine max

<400> 23706

tctacttatg tggcagggcg ggcttccttc actttcttgt ctccaacgcg agctttgacc 60
actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatc tatcaggcta gttatgtcgc cgttgttttt 180
gcctaaaccc atcccgggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
tgcatcggac agacaaggct gcccaaagag ggagtccacg aaggaaatgc ttaccacctc 300
ataagactgg aaagcagttt ctaacgattc ttctgagggt tccacgtaag gcatggagga 360
tgggcagctt accaagatat cttcctcgcc tgacaagatg accaagtgcc cctccactac 420
gaatttcagc tttt 434

<210> 23707
<211> 417
<212> DNA
<213> Glycine max

<400> 23707

atgaggaagt gtaaaagggt gaaacttctt gcttttattc gttgaccaca gagtgggtacc 60
tggagatatg tcacggtggt caagagatct tggggacgtc aggtgggggtg ctattgcca 120

aaaccaagct tgaccaatcc cgaccaacc cgggcatagt cagccagtga gaacctgtga 180
 tgtacctaaa caggcgaggt cctgacagtc aacagataaa aggaacaaag accacaaagc 240
 aaggaggctt gtgtggtggc tggccagctg tggactttga ttgatatatg ggatatggcc 300
 tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaaaat gaagacaaga 360
 gactaagatg gtctctggta atcgattacc aaggaggagt aattgattac caggctt 417

<210> 23708
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23708

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 attcacaaat accttgtgcc atagttttaa actcagattc agcactagat tgaaccacaa 120
 cattctgttt tttactctc caaattacta agtttctcctc agaaagggtgc aatatccagt 180
 agtggatctc ctattagtta ctgaccctgc atagtcaggc atttgaagc ttcaaggatt 240
 gtattaacat ttcctttata taaaattcct cttcctagtg ttccttcat tgcaaaatcc 300
 tataagtgcc atgtaagtga acttctcttg gacaatgcat aaatttgcta accaaacttg 360
 tagtgaatgc agtatctggc cttgtgtgag agtcagacaa gatatntaat ttcccaacca 420
 aacattgata catctc 436

<210> 23709
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23709

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 atgacgactg agaaaactgg ggcaaagaa gaggggtgaga aagagggaga aacctatgct 120
 gtgactgcca ttcctatacg gccaaagttc ccaccaaaacc caacaatgtc attactcggt 180
 caataacaaa ctcctcctt acccaccacc cagttatcca caaaggccat ccctaaatca 240
 accacaaagc ctgtctaccg cacttccaat gacgaagacc accttttagca cataccaaaa 300

aaacaccaac aaaaaggaat tttgcagcaa aaagcctgta tggttcacc canattccgt 360
 tgtcatatgc taaacttgat cccatatcca ctcaataatt caat 404

<210> 23710
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 23710

actcagcttt ccaagctacg gtaaactctag accttccatg ctagaagtct ccacagaggc 60
 cattgcctcc ctgcccagc attatgatca gccgttgagg tgcttcacct ttggggactt 120
 ccagctatca cctatggtag aagaatttga agagatccta ggatgccctc tagggggaag 180
 gaaaccatac ctcttcacag ggttttatcc ctcatagct agaatttcta agatagtcca 240
 aatctcggcg caggaattag accacagaaa gcaagtcgaa aatgaggtgg ttggaatact 300
 gagaaaatat ttggaggcaa aagcaagaat cttggcaggt aaaggcgaat gggccccgtt 360
 catagatatt cttgcactgt tgatcttcgg aggagtcctc tttccgaatg ggatgggttg 420
 gtggacctag ca 432

<210> 23711
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23711

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 gaagcttttag cttgatttgt tttcttattt ataacttaaa acattttttc ccttgaggag 120
 tgctaggaat actctctcta acacactcct tcaaacacac tctcacttat tgggtaaaat 180
 ttattgaaaa ttacaaaaac aggagagaga gagagtcatt aaataggata tgggatccgc 240
 aatttttttt tatttccaat aaatttcaac caataggagg gagtgtgttc aaaatagtgg 300
 gttagagagc atattcctag cattgctctt ttccctttta tcaaactctt tgaagtattt 360
 taaagtttat tatctattag acattntaat gcaagatgaa gtanaaataa taaacagaga 420
 gtaaaaagat cctatggt 438

<210> 23712
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23712

tccgcattct agtccaagcg tctcgatata ttacgagact gtatcagaca tccgagtaaa 60
 aagttattgt aatttgaatt tgttcagagc ttcaatattc aaattcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggatcagag 180
 cttcgggtatt caatttcgag ggtctcgata tattgcagga ctcaatcaga catacgagta 240
 aaaagttatt gtcgtttgaa tttgctcaga gcttcggaat tccattttga gagtctcgat 300
 atattacggg actcaatcag acatccgagt gaaaagatat tgctgtttga atntgctcaa 360
 agcttcggaa ttccatttcg agcgtctcga tatattacgg gacttaatca gacatccgag 420
 taaaaagtta t 431

<210> 23713
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23713

tgtgatctca aagtccaaca agaagaatat gatgaataat gagaaccctt caaccctttc 60
 agtctcattg aaatctcgta caaggatggg tctttgaaat ctctgcatca tgaacattct 120
 ttttttggat tgtgaggggt cttagcaatc taagactaga cgatctctca ataatagttg 180
 cttccttagc aatcccaatt ctctatttgc aattctactt tttttctctt gaatgtggga 240
 taacatcttt gtttttagtt ggttcctttt acatatttat aggttttggg tcatggggtt 300
 ggtgttttcc ccatgtgtct tttcttgtag cttttccttt taattaatat attttcagtg 360
 tgcagtcttt gctactgcat ggtcttttgc ccagaaaaaa aaaatcaaaa taataactaa 420
 atgttntaaa tata 434

<210> 23714
 <211> 428
 <212> DNA

<213> Glycine max

<400> 23714

tcgctaattc tcgaccatta atgttgatta cttgtgttgg tatgtccaag cgattgagta 60
tcgagcaaat agtttagtat ctacgaccat gcgggagctg aggtaaaatt cattaatgag 120
ttggggatga gcaagagata taagtagtga attgtgaatt tatagtggat cgagtgaatt 180
ataagtcaaa acatagacat tcattcatca ataccgacgt ccccatccaa gtctagtatt 240
tctatcttta ttttaattatt ttattgtaat ttaattttta ttgcacttta ttttatgtta 300
tttatttctt gacaatcaca aaataaaaaat aaaaaaacct agttcttagt taaataatta 360
catgaaattc ctcttttatt tctttatgag acgacctaga cgatagttcc ttactacatc 420
atgattgg 428

<210> 23715

<211> 446

<212> DNA

<213> Glycine max

<400> 23715

tgtcacagga taacacacac cttcaataca cagaatatat attaataaaa cgatattgtg 60
tctcattaag ataaaaacat tgatcgtaac ttttatccaa agtttctaag ggatcaaatac 120
caaccttggt gtttagtacct tccttttgac ccttgacagag agaccaaggg gtgggggttc 180
tgctgcatga tttgaaatga atgtccacgg agtgagtgtg actgtgtgac tgacatgtgc 240
gtgaattaaa aaaaaaaaaat ctaacaaaat tctaaaaata tcctacgcga acttttaaaa 300
gaaaaatggt gtttctaccc acaatttata caacactttt tataacaaaa agaaagtgtg 360
atataaaata aataatatgt tgaaaaggcg agaaataata tatttgtaaa aagatgttac 420
aaagttttta aatgaaaata atatct 446

<210> 23716

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23716

tcttangana cctctagaga tgttgctatt tctgtgttac tacacagtga gccacttag 60

agataatgga tgagtttatc acaattgggt ttagaatgaa catgtgtagg gatccttaaa 120
 ggatcaaatt gcagtttatt ttggaatgtt tattgtattg taatttttcc tttatcatta 180
 caatcatgag attgttatgt tcgacgggcc aattgatgcc ctaatgtgaa ttggttgata 240
 aaattgagtg ctcttggtgt ttctgtattt tctaacctat gattttgatt ctgatatgat 300
 tatgtgaaat tgtttgaggg gttttactcc ccatgttatg agaattattt ctgtataatt 360
 catgtatatt tcgaacaaga attactatat taacgtgaga actagattgt tggaaacatt 420
 attt 424

<210> 23717
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23717

agacggatgt nttttgatac gctagnatnn cnaactgncac acttctagtt taggtnacccg 60
 cagcggctac tctcactcta ttcacatata tactaagata tgcaccgctg ttttgatttc 120
 tttcttntga gtgctgacca tacgtggggg aggtgctatc atgactaata tacttcacgc 180
 ctacatgtgg atgggctaata accaggaatg tccgccagtg tccattctat tgccttccta 240
 tactttttga gaactgacat caacctagcc tcttgctcat ctacaaagggt ggctgatata 300
 atcaatgtaa aactcttcgc ttcataccat tcaacctata tcaaatttga tggcagatgc 360
 taaaattctt gagcgggtctg gtccacagtg ttataaggag atggcttccc aacctatctc 420
 tcataaataa aggcataggc ttgtgtacct cctgaaacat cgcgtcttct atgttactct 480
 acagacataa ccttcagtat gttcacaccg ctctgaatct cggcgc 525

<210> 23718
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 23718

attctcacta gtctcaact ctcatagacc gccctcacca ttaccatcgc caacaccatg 60
 ctgattttctt cttctttcat cattctcagc tttgagatta cttatttcaa tcccatggct 120

tacacccaaa gaaaccaatt gtctttgttt tacctctaaa gcatgcctga cttgaaactc 180
 attttcta at ctttgtgcca actctttgtc cttctctact atggctaatt cagattcctt 240
 gagatgccat tgaaggtgat cttttatgtt gctcctcttc agtgggttgc ctcacgaaag 300
 ctgctttcag tctctacatg agcaatgctt agacaacctt cagggttgc cactgctagc 360
 tcatataact ttgatatctc atctcatcgt tcaacgactc atgtttactc cttcatcttc 420
 tcttg 425

<210> 23719
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 23719

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 caagtgtcc tatcatacat ttgcatactc atgttatgga ggcatactca ccgtgttta 120
 tttctttacg aattccatca taactaagaa aacaccatgg caccctata aactcgatc 180
 cacaaaaatg gataatgaag agggcgagct agaacagatg aaggccgac tatcgacctt 240
 aaaagatcaa atgctccacc ttacgaagac tatcccagat gatttaagcc atgcccttac 300
 tatctagggg caacttcac cttatgaaga ctatcccgt caagacgaag gtgaaggaga 360
 taccatctt ggccacctgt tcacctcata atattgtgcg cacatgaact accccaacca 420
 aacatagtag ggcac 435

<210> 23720
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23720

tgctccttcc tgactcattc tctagtggat gttgncttct ctaccactcc tcttttatcg 60
 gtgggtgcat tatcatggct acaaaccacc attgaaggat cttattgaag ctcaaagatc 120
 tagcctccat agaagcttca taagcaagct tccaacaagt ggtatcagag cacatgagct 180
 tcaagtaagt gctccttata cctgcactaa ttttcagctg tactttctcc tccattgctg 240
 gctcttcgat tctctccatg catcttctca cgtgtcctgc gctgaatgtt gtctacatat 300

atttttataa gttccaccga tcaagcatgc tatagaagct aaattagact ttctatgg 358

<210> 23721
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23721

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attgaaaacg gaagctctta taaaattcaa acgacaataa atttttactc ggatgtccga 120
cagagggccg tattatatcg agacgcttca aattgaaata agaagcacgt agcaaattcg 180
aacaacaata agttttcact tggatgtccg attgagtccc gtaataaatc aagacgctcg 240
aaattgagaa cagaagctct tggcaatttc aaacgacaat aactttatag tcgaatgtcc 300
tattgagtcc cgtaatatat cgagatgctc canattgaan atggaagctc gtaacaaatt 360
caaacgacaa taacattata cacggatgct cgactgagtc ctcgtatata tcgagacgct 420
ctaaa 425

<210> 23722
<211> 430
<212> DNA
<213> Glycine max

<400> 23722

gaagttagaa aggttttagag agttaagaga ttcaattgga attgtatgtg taaatgcaac 60
tttgaattaa tgaggagtgt taggaataat tcaaagattg aaagttagtt aaataacaat 120
attcagttaa ttacctatta agggagttag ttactcttaa ccaatgtttg ttacctacta 180
tataagcaag gttcataata ttgtatatag agtattatta agtttgctat caatatagtt 240
ttttcattca ttcaattatg tgctttactt ttgaatgcat tcgagtgagt ttaacaacat 300
aatgtaatgc ccctatcttt gcaaagggtg gcaagatggt aatgactata atgaagtcaa 360
ctctagtatc gctcaacttc aatttgaaga atagagatag agcctcaaga ggctagtcac 420
gcattacaca 430

<210> 23723

<211> 386
 <212> DNA
 <213> Glycine max

<400> 23723

gatagcacgc agactctaac gtcgtcttct gtgcctttct ttaatcgcg cgcacaagcg 60
 cgggtggactc atggagattt acgtcatctt ccgcgctcac aagatctgtc atattgactg 120
 ttgagtcacg ctgacaggcg gaagttcccg agtggttatc cgtataaaat ttatgttgcc 180
 tgtaagatga aaagcctgat agcacgtaga gactaacgct gtctattgcg gtcttcatca 240
 atagcgagcg acaagcccggt ggacacgcag agatttacgt tatcttcctg gcttacaaga 300
 actgtcatatc tgacttttaga gtcacactga ctggaggaaa taccggaatg gtactcgtat 360
 aaactttttg cattttgtag actaaa 386

<210> 23724
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23724

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 tagctagggt acttgcttcc tttgatccag gcactcnctg gttggactgg ttatgtgagc 120
 taaggagggc tcacaatcta ggggtgcatg acacgttgca cgacaaatca ttgtagacag 180
 agatgatccg ttaatggcac tgtcgaatcg ctctgtaatg gaagatgtca ctgacactgg 240
 cgagttgtcc ttgtactaat aattacgaat ggcgagaacg tctgctttat ataagcgcac 300
 tccttcgaca tttgatgtgc gtgctttgaa taatgactca cttattggaa atgcttgcta 360
 ttcacaatac tcgtgatttg ctgaaccttt aggcggtgaa gtcagctgta tcgtatgatg 420
 ttcataatga aatgtgtgcg gggtgacaga agttattatg atttaattat ttgaccg 477

<210> 23725
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23725

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atcaaacaaa gtttatttat ttgagcnnac ncaacagggg aggtgtggat gagtctagt 120
acatcgcagc atcacttgac cagctctccg gttatgagta tcttctcttt ataaataatc 180
atattcacta atatcgtttt tataaatact tcttatgggtg gagttttttc tatctacaaa 240
tgtgaagact cgtatggggt gattgagaga cttctgtcct cggccttaaa atgcaattct 300
caaaacaaat cgcacttgac ggaaaggcaa ctacaatgat ttttaaccct gttccgaaac 360
actntgatat tcattgttca aatcacgaac aaacgtcttg catagtgagc tagtttataa 420
agaacacatt ttttacattt gacaattgca gttttgtgta ccaccatcac cagtctatca 480
cc 482

<210> 23726
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23726

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tacagaaagc tcataaacag aatacagagg gcagtttata gattttggac atatttcttt 120
gaggcagtta tctagtcaca gaatacagaa agctcataag atcagctgat acctgngaatt 180
ctgatagccg aaatccacga ccaatcttct gattaaatcc aagcacaaca atcataacaa 240
cagtcactat gttgaccgca aaaactaaaa cagtatgaga tattaaggga aaccaattca 300
tatatatata tatatatata tatctgtata taatcaatgg actagctgaa agctaaaatc 360
tcgaaatgaa taaggatata tgtcttcaaa acagtcggaa aatctctccc catcccatc 420
ctgtaaacca tga 433

<210> 23727
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23727

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ccaaggtgta ttacatttgc atgtggatac atgtctaagt gcataagctt gtgtgtctct 120
 caatctgata ctatcaggat agttataacc tataagtctt tagcacatgc atcgtaagat 180
 tctaggacat gtcatatgac aaagtgatca tgaatatcca aaggagtaaa aagtcttgac 240
 tagtcatgta tatattgtta ttgtatttat acatcccaat tntcttctac tttcactttc 300
 actccatttt tcttcccatc ttttccttta tttatttatt tatttatttt tatcacattc 360
 ttatatctat caatttctct ctcttagctt cttttatctt tctctctctc ttttatatat 420
 atatatatat atatatatat atata 445

<210> 23728
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23728

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 anacgtagcg tgcgatacgc gntttctctg gtatatttca cgacgaacct tgggcggtgt 120
 gctgtatctg ttcgacacgc atggataccc gcgattctta ttgacgagag gacaaaatgg 180
 aacagcacag aagataagca gtgggcttga ctaagatgac atgacatatg aatgtgcgac 240
 aatctaactc cttgtggcaa tatttacatt ctactgagga ttctcttggg agcggacgta 300
 cagacaagcg tgtgactcta atactaaaaa aaatggctga acttgaaggc ttatcctggg 360
 accgtcagtg gagtattgct ggtagaggg atggaaaaaa attcactgcc tccatactac 420
 ctaggactgc attgcgcatt tcaaagataa aan 453

<210> 23729
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 23729

tcctccatat attattcgcc tgaatcggac ttccgtttta tttgttatga ccatttgaat 60
 ttctcgagag cattcgttgt tcaatttcga ggggtcgat gtattatgcg cctgaaccgg 120
 acttccgtgt aacaagttat gaccatatga atttctcaag agctttcggt gtccaatttc 180
 aagcgtctag atatagtttg cgctgaatc ggacttccgt gtgacaattt atgactattt 240

gaatttctcg agagcattcg tggttcaatt gcaaccttct cgctatataa cgcgctaaa 300
 tcggacttcc gtttgaaaat ttatgaccat tcgaatttct cgagagcatt cgttgttcaa 360
 tttcgagcgt ctcgatgtat tatgcgcttg aatctgactt ccgtgtgaca atttcttacc 420
 attagagttt cttgat 436

<210> 23730
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23730

tgcgagccaa gttcaaaggc cctacaattt gtctcagtat aaatcttatg tcccttaagc 60
 ggatgttcta ccaaacaagt gatttcgata aactaatgaa agatctaatt cacatttaaa 120
 agaattcaaa gttaatagtt tggcacttca aagagaaaga accattgaag gttccgggaa 180
 gagatattat gacaaccaa atcctccatg ggttaataga aatatgtcaa aaacctagt 240
 gagaaggcat canaggatga ggagagattg aatattggca atgcaataga aaaatgggtg 300
 cagaccttca atctttgata gaattagtga agggccaccc cttgggttaa aaagaagatg 360
 caatcaagga tcaagaggaa aggaaatgat aaatgactct ttcgaatatg gcttttacga 420
 atcaatggaa gccatat 437

<210> 23731
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 23731

gctgaatatt gcctagagga cttggttgat tatgtcgttg gtaaagaggc ttatgatggg 60
 cctttacttc ctttagcaaa tggcaatttt gcatcttttt cagaagcatc aaaaggagtc 120
 tcttatttca tttgtgatga atttgaatat aagctgatgc agccagtttc tgatagagta 180
 attgatcaga acattcctcc caatatattg aacaaactca ctggtattgc gatgtcctca 240
 aagaccaatg ttattctttg tagtattcac cattttgctc agctattccc tgcatttatg 300
 tcagctgact ggaaatatag gagtaaaagt gttctgggac cctgaatctt gtcgaaagcc 360

aacgtcatca tggtttctgc tattctggca atat

394

<210> 23732
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23732

ttacatccaa acagctcttt agaaaaaaaa aacttctttt taattagtct cataatctcc 60
ttcaatcctc gtgcataaaa ttttccaaac catttctttt tcttttctta ttggaaaggg 120
atttaatttg gctgaaccat tcagtgaaaa gcattgaatt gcaaagttaa tttatagtga 180
atctatacac tctaaaaata gaacctagga aaggataatg aaactagtta ctctatacta 240
aataatgaaa taatgatccc agtaatcagc aactataca tagattctat ttctacatta 300
ataaaagaaa attcaaatat tntagcgaag aggacatgag agactccaag agaataata 360
agaagacatt ctcaaacgga aatggaaaaa gaaaagaat gtaaagaaca aatgccaac 420
aaaaacaaat aaa 433

<210> 23733
<211> 390
<212> DNA
<213> Glycine max

<400> 23733
tatagcttcc ataacatgct taatgtgtcg tttatttaat ttttagtttc aaatgtattt 60
caatgtgtgg aatctttcct caatttaagg ataagcagga atatttatga cataagttct 120
aataggtaat agcactgtag gataagttat tggcttgat tttagatgtc attagattat 180
gatttttcga gaattctagc ttctctatgg aataataata catttcaact tatctttttt 240
tttttggggc ggcatggcga gaatcagcat ttcagcttga atataattta atcaatggct 300
gaatttgaa gttctcatgc gtgggaccga ttaatggaat tatttgcttg atttaaggat 360
aggtagaaaa aaaatcaaac tgctacata 390

<210> 23734
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23734

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tgaaattgac aacggaagct ctcagaaatt ttaatgtcat aacttttcac ttggaggtgc 60
aattcatgtg cataatatat cgagacgctc aaaattgaac gaggaaagct ctcagagaaat 120
tcaaattggtc ataacttttc acacggaggt cagattcagg cgcataatat atcgagatgc 180
tcgaaattga acaatggaag ctcttgagaa attcaaatgg tcttaacttt tcaactcgag 240
gtccgattca ggcgcataat atatcgagac gtcgaaatt gaacaatgga agctcttgag 300
caattcaaat ggtcttaact ttccacatgg aggtccgatt catgcgcata atatatcgag 360
acgctcgaaa ttgaacaatg gaagctcttg agcaattcan atggtcataa cttttcacat 420
gga 423

```

<210> 23735
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23735

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ggtaggttta tgcctgcttc gactgcnctc agttaagtaa canccgctcg cattctanaa 60
atatattata ataaataaat ttttgttcac ttctgaattc cgaataaccg gaggagccat 120
ccacaatgga gttcctccaa cgtctgtagt tatcaaaca aattcatatc cagccaaaat 180
gaattgcact aatctatatt atcattaatc cattgtgggt acctttctcc attatataga 240
tcttgataaa ctgtgcaaga tataaccaa atctgcgacc tgtacataag tgattaagtc 300
taaatgtacg ctgtgcgatt accatttcac attgatggaa aagaatagtg ctacaatatc 360
aatatgagaa agatgatcga taagtcatac cattgggaat tacagaagtt atccaagaag 420
aggatagcta gatcagggtta ataagcccga ctctcgat atatatatgt nctacatccg 480
ctacccataa g 491

```

<210> 23736
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23736

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ncaaacttct aatgctgatg gttttctggt tggttatcca acaacatttg gatccatggg 120
ttctcaattt aaagcatttt tagaagacac tataagcctg ttgtggctta cacaggcact 180
agcaggaaaa cctgtagggg tcttctctag cactagtctt caaggagggtg gacaagaaga 240
gaccccatga gttatattaa ttattactga attcttcaat attcatgatt aaggtttcca 300
tcaattaatg gttattttgt atatatccac tcaacatgcg agaagtcaga tcaaactatt 360
agtcactact 370

<210> 23737

<211> 418

<212> DNA

<213> Glycine max

<400> 23737

cttgagaaag aaaacacctt agcggcggtta gcttagtttg gagctagggtc atgaaaggag 60
ggctgtctac tagtgagggc tttcaagttt caatcttata cgatgacgag gaccagcagt 120
ccagcacaac aacacgacat cgatgacaag gaccaccacg atgcgagtag ctcagcacc 180
gaaccaaact tgaataaggc agagtgaagt agtagacaga gtcgagagag tcattttctg 240
ggggttttcg tacgatgcta tattcggttt tcataaaccg gcggattcgg aacagactcg 300
cgagtctacc caaactcgct cgagtgtgcg ctgaatcgga cgagtctact tcgtttttga 360
ttttgctatc gatttaactc tgcgaacctt attagaatcg tagaattgta cgatttta 418

<210> 23738

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23738

atccttatgg cctgcctccg gacttcaccc cccgtgtcta ccccggaaga tttaagccaa 60
gcccctactt tcgaggggca actccacct tatgaagact atcccgggca agatgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atctgtcccc acatgaacta 180
ccccaaccga acatagtccg ccataccccg gcctcacca cacctttaa agaattctgtt 240

cccttcgcgg aagataaggg aaagattgag gcgctcgaag agagggttaag agcagtcgag 300
 ggccttggca attaccatt ctcggattta gcggatttat gtctcgtgcc caatatcgtc 360
 attcctccca agttcaaagt accggactnt gataagtaca aagggacgac atgtccgaag 420
 gggcatcttc ngatgta 437

<210> 23739
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23739

actaagctcc ggagtttcca gtgccaatnc gtcttcttct ttagtccatt cttcttctgg 60
 cttcaattct tcagtgggct ttccttctgt gtccagcatc ttgggatgtt cccagccttt 120
 gatgacagct ttccaagttc tgctatccag tgatttgagg aaggccacca ttcttgcttt 180
 ccaatattca tagttgcttc catcgagaat aggtggtctg ttcactggtc cgccttcttt 240
 ctccatgttc atcagaattt atctccctag atctcactct gtgatttcga gtgttggttc 300
 tgataccaat tgaaattctg ataccaaggg acagatgtcg tacaggatgt cacgacatca 360
 cgcttcagaa catgcagatt atatgtgtgc gtatgaacag attaaacaag tgaataacac 420
 acgagaattg ttacc 435

<210> 23740
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23740

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 tgttcttggtg aaaatcaaaa gcatatattg tgacatgcat ttgactatac atgtcatatt 120
 ttatgtcata ttttaagtgg tgcagaagac gaggaataag aatggaaggg agaaagatgg 180
 taacatttta tgctaattgat tcaaatttaa cgtgagactt aatataaaat ttaaattact 240
 tttagaatca aaatgattat aaatgataaa atttaggaac caaaatataa aaaagtaatt 300
 caattcgata actaaattta ggttgatgatg tcataagtcc taaaaataa acaataaaaa 360

atcaactttc attntagtca tggattgtca tgtattcaaa caacatttca cataaatacg 420
aacattaacc 430

<210> 23741
<211> 441
<212> DNA
<213> Glycine max

<400> 23741

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caaggggagcag tgttttttagg ataataaaat aatatgaaga atccttttgt agtcttgcac 120
ttcttgactt tcttttatcc ttattagtta ttaattacta tagtaccttt gatttaattt 180
acttgattcg gtaaagctat gctgtcttgg tttctgtgag gcgaaatagc tattcctctc 240
ctgatagcag caattgcaaa ggcaattgtg ctgtgagttc atcactatat gaggtagcac 300
agtagcacct tatcaatagt cttctcaaga aaaccgttta tgaacctttt tcaactgcgcc 360
tcgtagctat ggagtatgga tagttgcaat tacatatcat acaatcactg cacctcgttt 420
atgaaccatt ttaactccta t 441

<210> 23742
<211> 428
<212> DNA
<213> Glycine max

<400> 23742

aagaagattc ccaaagaaga tagagcttag ctacacttac ctctctaata gctaagggtca 60
cctccttgag atgagaagct agagcttagc tatacacccc ctataataac taagctcacc 120
cccatgaaaa atacatgaaa atacaaaaaa aaatccctac taaaagact actcaaaatg 180
cctcgaaata caaggctaaa accctatact actagaatgg cgaaaataca aggcccaaac 240
gatggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta gcccatgggc 300
tcgaaatcaa ccctaaggct catgagaacc gtagggcctt cccttggatc tctgacccaa 360
tctacttgga gtcttctatc caatgccctt gcgggtagga ttgcatcagt gtctcccctc 420
ccctcttc 428

<210> 23743
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 23743

tatcaaggta ggttgcatat ccattgttcatt cattgatgtt gtgacattgt agaggcaatg 60
 ggcattcattg gaatggacct tcttagcctt attccatata tcataacaag taagaaaagc 120
 ctgaaattgt tgttgaagat taggaccaag agtgaaccag agaaaattac acaatgaagt 180
 atcaattgct tcccatggga ttgttctgag gtgggaatat ccttcaccta agttgtcaag 240
 tgaccagcac aaccttagcc ttggaaccaa agctcaaca cgacggccca tgtattgtag 300
 ttggttgtct cggttaattt ttcacatgga atcaacgata cataagtga agtcataatg 360
 gaggaagtgg aagcaagatt ggaagcatcc atgataaaag taggaaccaa acaaggctaa 420
 acaaaaatag a 431

<210> 23744
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23744

tctaaactnt atacaagaat gaagctctgg taccacttgt tggaaaagtg gcctcatata 60
 tcttaagaag gaggggttga attaagatat tacaaattat ttccccaatt aaaaattgta 120
 ttttaactttc tattcaagtt attaattccc ttaataatga atttcttaaa tattgattca 180
 aatagaacaa tttgaatatg aatataaaac aataataaat aaaggagttt aagggaagag 240
 aaagtgcaa ctcattattt tactgggtcg gccacaccct tgtgcctacg ttcagtcacc 300
 aagcaaccg cttgagagtt ccactatctt gtaaattcct ttacaagtt ctaaacacac 360
 aaggacaatc cttcctttgt gttntgaatt ctttcacaac aagagaccct cggctcttta 420
 atcccttttc 430

<210> 23745
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 23745

tcattaagag acttcctcaa gaggettcctt tgtaaatcta gatccttata taccacacacc 60
cttctatttaa ctaaattaac ctccctgaaa ataattacgg ataaaaaata acataacaaa 120
taatcaaaca tcaaacataa ttactaataa tatatagata tatatatata tgagggtggtt 180
acattgggttc ctaagttgtg gttctttatt gttggaggtt tgaaaacaaa aggtaaaaga 240
aactatgggtt gaaactagcc aaaataaaca ctaaaagagg tgtgaaagat aaggtaaaaa 300
actaatcggt aaaaggaaag ctatctaagc ggtttgacag tggaaggtaa aggaaataag 360
ctacgaaagt aagcaagaaa tgtaaactat gcgaatccta agagtgtgtg gatgaccaca 420
t 421

<210> 23746

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23746

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tcctcacgtt tggtttttta gggaaaaaca ccataactaa acgcgccgca accagatcca 120
aatctagaac gatgggtgat caagaggaga cgtaggaaca gatgaaagcc gacatgtcgg 180
ctctgaaaga acaaatggcc tccatgatgg aggccatggt aagtatgaag cagctcatag 240
agaagaacgc ggccaccact gccgctgtca gttcggtgc cgaagcagac ccgactctct 300
tggcaactac gcaccatcct ccctcaaaca tagtaggacg gggaaggacg aactgtggc 360
acgatggcag ccctcacctg tgatacaacc gagcggtta cccttatgga tt 412

<210> 23747

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23747

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ctttgtcacg ggaagccgga aggtccatat caccttctta attgtacaca tggggcactg 120

cgcccccaaa tgcacaagta agaagagata attttccggg ctctcgtgtc cgtaaaatgc 180
 attcatatca tgcacgcgat aagcatctct tcataacatc ataatggaca tatcctgcat 240
 ttgtccgta tcatattcca gcctcatatt ttgcatgagt catggcatca tcatgcatat 300
 gcgttcaaca aactttttga tctgcaaaat tgcataccat ttgttttcat gtttgctcat 360
 cctcgctnt tcctctacaa aacanaaaca aaaaagggg aagcgtgaaa cttcacacta 420
 cattcttagt ttcatg 436

<210> 23748
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23748

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 ggatggcgcc tgctctcacc tctactcctt tgtcttttgc tgcactcca tggtggaana 120
 tcaccattaa aggacctcat tgaagctcaa agattcagcc tccatagaag cccacaagc 180
 aagcttccat caagtggtaa tcatagcaca agagcttcga gtgggtgctc cttaaacctc 240
 cattaaatct ttttctttac cttctcttcc attgtcgctt cttcattttt ctccatgtat 300
 atcctcacat gtgttggtgt aaatgttggt aacatgattc ttcagagttt acaccgacta 360
 aactcgctat agaagctaga ttgattttc tatggtacag atatcttggt cttgttcttg 420

<210> 23749
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23749

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 taaagatggt gagggagagg caagttctgg ctactataca tggacaagcg gaagtgctag 120
 ccttacaggg tgaaagagaa gcaggggagg aagtgataga gctactacat caagaaagta 180
 ggaagtagat gaataagttt gcgctcacgc taaatgagag tcaagagccc ttgaaactgc 240
 tagctagagc caaggcgagg gctgatatat actctgctct cgacgaaatt catagtctct 300
 tcgataacta ctagctcatg gttgaactga tgactcacat aattaagaac cgctgatgca 360

cttgttattt atttttgggt gtaccctgat gcgatgtaat gaaccaatt ntggtttcat 420
gaaaaatg 428

<210> 23750
<211> 441
<212> DNA
<213> Glycine max

<400> 23750

tctccttcct tttcctataa ataggggaag gagggaataa cataaagggt caacccttct 60
ggtatctgag attcacttaa aattagttag aaaaattggt tccgttggtta gtgcttagct 120
ctactgagct ttaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa 180
ggaaagctgg agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg 240
cacaatgcac aaggcaagat gaaatgtcaa atgaagaatt gaagctgcat gattcacgat 300
gtcggataca atgtccagga catcctgccc gaaaatactg gagttgctaa aagcattgaa 360
gctgcaggat ccacgatgtc ggatacaatg tccaggacat cctgcccga aatactggag 420
ttgctaaaag cattgaagct g 441

<210> 23751
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23751

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ttagcataaa agttagttaa aattctgttt gaaattatca atcatacatg ttctctcaac 120
aatgcttcat tcttggaactt aattcaagct aacattagtt ccctgtgttc gatactcaga 180
ttcatctggt ttaattttta aatacttgac gatccggtgc gctttgcggc aaaccggatt 240
tcccttgaat atatttgaac gaagaaacaa tggaacaaaa agcaactgta ggggaaatcc 300
aacaatcaga atttggtttg atttcatcaa tgtgaaaatc ttcatattt ccatctcttt 360
tgcccttggt atcttcttca tgaatatgca tttcttttaa tgattctgaa acatcatcta 420
tttttctaac t 431

<210> 23752
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23752

ctgatgatag aggatgcacg aacagagctt gcaatctatt ttggggctcc ggactcaatg 60
 gtggaggatg gatgaacgac aatcaattcg tggggctccg aataagattt gatgatggag 120
 gatgcatgaa cagcgctagg caatcaattc atggggcacc gtactcaatg gttgaggatg 180
 catgaacgac aatcaattca aggggcttcg aataagcttt gatgatagag gatgcacgaa 240
 cagagtttgc caatcaattc gtggggctac ggactgaatg gtggaggatg catgaacgac 300
 aatcaattca tggggctgcg aataagatgg tggaggatgc acaacaaca ttatgcaatc 360
 aattcgtggg tctctagact caatggtgga ggatgcatac acgacaatca attcat 416

<210> 23753
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 23753

ttttctcttc taaactaata ggcttccttc ctggttatgtt tccttttctc ttctaaacta 60
 ataggcttcc ttcctgtag gcttcctttt acccttcacc aattgcagtt gcaaaccaca 120
 atttaaaacc atgtttgcaa tcttatgctt caatttccaa atttatgtcc atttaatcaa 180
 agcaaagtga gtattacctg taagtaggag acactctgag gcctaagata caaccattt 240
 tcaagaatgg cccagaaaga gtgaccacat tcttaatgat tcgctaaata attctaggct 300
 acaatcctta ccaattgaaa ttgcttaatt gggattaaga tagaacgaag cagcatgaag 360
 attactatgt aattgcaaat cccaatgagt atcaattatc ttccacactt tcttatattg 420
 tgactcttga ttcttgaaat 440

<210> 23754
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23754

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aggacatgaa tgggtgcagcg ctttatcgtc gatgcttgac ctgcaagaaa ttcgcatgtc 120
caagtgcaat ctctcgggac ccctggattc ttccctggca agacttgaga atctatcagt 180
cattgttctt gatatgaact atctatcatc ccagtgcca gaaacatttg cccatttgaa 240
aaatctcacc atcctacgcc tttctgagtg cagattgact gggacatttc cacagaagat 300
cttcagcatt gaaacattgt ctgttattga catatcactc aaccaaaatc tcaatggttt 360
ctttccaaac ttcccattga gcagatcact tcagacctta naagtaagaa acacaagctn 420
ttctggagca ttt 433

<210> 23755
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23755

gaagttagat atatcttatt attataatac atgtttatct anttgntaag tatantttgt 60
aggtagttaa tttgtgggat gttaaattac ggacatagga tatgattgta aataagtgtg 120
tgattaatat ttgatgtgat attacttggt ttgtgagttg tgaattatat aaaaacttga 180
ttggtgttta tcttggaata aatatttatg cgtgaagtgt taaaaaaaag ttagaggttc 240
caagttaaga acctgaagtg ttaaattgta gcgcaatgtg ttaaacgtgt ttaaaacaca 300
agtgtgaggt cgtaggtatt gtataattca tgaacaatgt ccgctgcaa aaattatatt 360
tagggttga cctgaatcan gaaggtgagg ccctaacgaa ttcttcggag tctaggtctt 420
gggggtaaag acac 434

<210> 23756
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23756

ttcattgatg gagaaatatt caaggctatt tgcttattta tagcaaaata aggctttggt 60
ggaggaggtg ggtttatggc ggngagagga atggacgtga caatttgagt gggagaaggt 120

gttggtagat agcttttagga aggaggtaga tagggtagct acaattgata caagatgggg 180
 aggatgtgaa aatcttgaaa aactgcatta cagggcaata ctctctcaag aatgctatga 240
 ttttttgttg ttatataatt ttgaacagga tgaggaacat gttttcaagc aaatttggca 300
 tctaccgta ccttgtaaca cacaagcttt tgtggagatt gttaaagaaa attaattttc 360
 tcttcaaatt tgacaataat ttggnntttat ttattttatt atcatccaat catctattta 420
 ttactttata t 431

<210> 23757
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23757

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 ccttatatta gcagaggaca aaacagaaaa ataacagaaa aacttccata tggatttagg 120
 tcatagccca acacataggg acctcaagcc tgagaacttt ctctttgata ctgttgagga 180
 ggggtgctaag gtcaaaaacta ctgatttttg gctctccgtg ttttataacc caggtttggt 240
 tgctctctcg ttagatttgt tttttgtgga agatgccgag ggagagggct tggctcgtggg 300
 ttttggtgga ggtggngatt ctgatgatgt ctttgagttt tccttggcgg aggagctcgc 360
 cgatgcagtc gcttggcagt ggagccaatg ccgaggacca tgccggactt gacatactcg 420
 atgaccttgt 430

<210> 23758
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23758

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 cacaggctat gtgacaaaaa agtccccctcc tccacctgtg gagtttctta cctcaccaca 120
 actcatattt ggggaggaga ttcttcactt cagccaccct cagcaccctc tctcaatggt 180
 ggatctccct gacctgttca attgtgtggg gtgcaaagag tatgggtctg gaaagaggtt 240

tgtttgccag caatgtgatt ttcagctgca tgacttctgt gccttggctc ctctgtctct 300
 caaggcacac ccctttcact cacaacactc tgtcttggtc cattccaaac caggtaaacc 360
 acgtacatac atacatatat atatattcat gagtacaatt gtacaaatgt aatnttttat 420
 ttaaataatta tatta 435

<210> 23759
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23759

tgtgcttggt ntattcaaatt tcttaggata atgagcttct angtgtgtcc tactataact 60
 tgtgaaacaa aaggtgatca aataacaagc agaaatttaa aagttactag gttgcctcct 120
 agtatcgctt ctttaacgtc ttgagcagga cgcattgatga cttgtcgggc acggacctag 180
 aactttgctt acctttggct ttggacttgg ttgcatattg gtcggccatg tgcgtangc 240
 aataactctaa cctttttgtg gatgagctga gggggctctg aggtggcggc tgtgcatttg 300
 ttgtctgttg ttggccatcc caaggttggt atggtgtctc accctctgcc tgcattgngg 360
 cacaatactt cttgatgaaa gtcggttag taggaggcct gatgaccttg ctgggggtga 420
 cgggcactcc gt 432

<210> 23760
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 23760

tcatgattaa gtttatgata taagctcgga tgcattatc ttatttaata agggcttttag 60
 ttgtttaccc aaacatgacc ttaatgtcgc ccatgaagag agaaataaat acaatttttt 120
 cacatgacaa aaacttggtga aattttttaca agagaatcca ttctctctgt cgtgtgcgtg 180
 tgcgtgtgcg tgtgcgtgtg tgtgtaaatc acatgaaaag ctatggatct acattcaact 240
 ttaaagaata catataagta tattacttac ttcaaagaat tgatctctaa gatcagatgg 300
 ctttcttgta tgttttcatg cacagccctg agaaagggtg cttcaacctg caaatgatgg 360

agtattttaa aatctgatat ccatgcaatg catctgacat gagttttaaag gtcaaaatcc 420
 taacctcttt atca 434

<210> 23761
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23761

gcactcagac agaaaaagcc cacacataac tataccgaaa cgcaaaacga atcgatacat 60
 caatgataac cgccgcatgc aataaaccta gaaggaaccg ctgcagggca tacatagatc 120
 gaccacgcat catatgcacc aaaattaagc aaccattat aaaacctcca tggcaagtct 180
 atacgagcac actttacaac ctactatcac ccannaannn anaacnnntt aagcacaaca 240
 tcagcgagcg agacaatgga gggaaacaag agaagcatct aactgaagc acagctacac 300
 aaccataant aagagggaaa gtggaagccc ttccacacaa tagaaaagcc t 351

<210> 23762
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23762

ccccgaaacc ccaaggcgaa cggcaaagaa aacacagaac acggaacacc cnccaggggn 60
 gnatgacctg gacacgcaac canaaancag cagagaccac caacaaacag agcagcacga 120
 caatgtatac ataaaaacca caaacgaaag aggccaagag gaaaccgaca aagcgagagc 180
 cacacacacc cgacaaagca caaaaaaggc agacacaggc gaacaacaga aggagaatgg 240
 caacccgaga agcaacacaa aaccaccacc acaaaaagaa acccgagacg caaaagacct 300
 acacagcagc aaaggagcaa cacccaaaaa agacaaccat accaccgacg aacaagagga 360
 accaacgaca gcacccaaga gagcaggaga gcaccaagag aaccaacacc cagaacccaa 420
 ccgcaacgac gccaaaacag gcgagaccca ggacgccgga caggacaccg acaccacaga 480
 gcagggcact cgggacaacc caccacacg 509

<210> 23763

<211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23763

gagaggactg aaaagtttga tgccctggta gnncccttgca nacaactacg anaanaagcn 60
 canncggggt atcctggttg aaggcttact tgaacgacac ggcaagtctt gttacgtttt 120
 tttcncattc ttccagaanc acagggagtc tctgcgcggc gctcgagaat aaacacctca 180
 ctcaacacta caggccaaat ggcgctcagg gatgtgatct cttatcggta cacccaatgt 240
 ggccgttacg accgaaaaag cgggctagga gacaagttac cgcatacgat acccacacag 300
 agaggccgat gggcattatt cgcggaacaa tgtcgagaga taatatatcc tggcatacat 360
 gcacctaagc tggagtgaga gccaatacaa aaggccagac gcggtgacag agtcatgatg 420
 tcggggaggc caagaaagca taacagcatt ggtcctgaat gcacgggaat gcagcaagtg 480
 ggaggaaaac ccttgataga gaaacgtgca caagagagaa aggtccaccc gccactcg 538

<210> 23764
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 23764

ctgcaaaaaa aaaaaatatt agtgataaat ggacaaaaaa cagagcatag aaagtgaata 60
 aaggacaatt caacagtga aacatactca aaaatttttg ccagacaatt ccatcatgag 120
 tagaccattg atgccccact ggcttgcccg ggaacggctt cacctacaat ctagatagga 180
 catggcactg tatcaacca ttgcattcat gcaagacatg ca 222

<210> 23765
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 23765

cggtgctctc tatcaaaatt gattcaacta accctgtaga cagagttcta ctcaaaaggc 60
 cttttgtatc acataatgta tgaatgtcac attggatttg ctcaacatgt gggatgctct 120
 ggccatccgt ctagagattt gttccattgg gattaatgcc acatgccatg atcctaacgc 180

gggtgcaaat attcctaact ccaccatgat ggaagctgca acaagttcat gtaatgcatg 240
accataatca aatgacatgt ttacaaacgt tacaaatgag agtgcttcat acatggacga 300
ctagcctttg catggaa 317

<210> 23766
<211> 513
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23766

cacccccgca gatcccatat acaatagggc acatcaatcc aactcccacc cccaagagag 60
acctttgaac ctggtgtacc ttgcaanacc ggaagcatta atcaaagcga caccagcag 120
gcaaactata tgtaacgcgg ttccagcgca caacagccgc aaagcgagac gcagaacaat 180
ccactggggc taccattaca ctccaacgac aggggaaacg acgacatgtc caccacgat 240
ccgcgagaag ccaaaccccc aatcggcgca tagggtagaa ctcaagacgc ccgaaccgtc 300
tggcctggcg aagataggcc aagcctgaca acctcaaggc accggatgcc gctagtcgac 360
gcgggacaaa acgccagcat tgaagacacg aataaagggc acccncaaag acgacggatc 420
tgagcagact aaggagagacc gcacccaacg cacgtcaacc accagggcca cccaaaccaa 480
ggacatcaac ttggtgatga tcgcaacaaa cgg 513

<210> 23767
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23767

catacaaccc cccacacgt aagaacacaa gaggggaagc aaaaaaaaag gagaaatgac 60
ctgacccgaa acaaaanana agggaccgaa gcaaccgagc caaagttcaa tttcacacca 120
cacggggagg aaacgacagc caacacacac acaagaccgg gaccaccca ccaggcagcc 180
cgaccacgg agacaaaaaa caacacgacc gagacaggaa cgaacagcga gggcgagaa 240
acagaaccac cccagggagg caaccggcc aacgcgcgcg gacacacca agcgacaccg 300
gccgcaagcc caccgccgga acagcgagcg gcaaaacaaa gagccacacg ccagcaagca 360

<210> 23768
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23768

ccccgcgcag aaggaacaac gagcagagaa aacaaacccc ccaggaggna tgaccgaaca 60
 caaccnnaan aacgcgcacc acgacaccaa acaaaattta atacacaagc cgccacggaa 120
 cagcaaagcc acaaccgaca caccggggag acgaaaaaaaa gcgcgaacac aaagacccgg 180
 ggggacacaa agcagcccgg accgaaacgg acgaccgaga acagcaaggc acccacagca 240
 cgcaggaaga gaaagacaag cggacacgac cgccatcaac cgcaaacac acacggcaga 300
 cccagcccaa gaccaagacg aaaaccgcag aggcacacgc ggtaacggaa ccaacaacga 360
 gacgggacgg aaaacgagag aacccgacgc caacgggaaag acacagggca gaccgcagga 420
 ggaagacaac aggaaccgaa acagcgcgac c 451

<210> 23769
 <211> 363
 <212> DNA
 <213> Glycine max

 <400> 23769

agcttgatgt cattcaattc aactatgta gacctaaatg aagactaaac atacattatt 60
 tatgtaattg tattcattat gcgatataat ttgttgtaac ccgttactaa acaattaata 120
 ttatcaacta ctcgtttggt taagcaagga aattgttggt ccaacaaaat tcatttacac 180
 gtgcagcata cattattgtc ataattgaca acacataatg acatgcatgc gtattacagt 240
 ttgagcgcga caacacattg gctgacttca gtacacattc tgaaactagc agtcgcttga 300
 caacacattg gctgacttaa ctacagattg ctgacaacac atatggtgac ttgactacac 360
 att 363

<210> 23770
 <211> 428
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23770

actcaagctt gagttataaa agatttgctt gatttgaata ttcagttgga ttttttgtat 60
aataccant aatgctcact aaatatatta atacttaaat ttaaatttaa tttataatca 120
aatcaaatta ttatgaatta ttaaattgga acatgtgtca tccaaacttt aaaaattacc 180
tgccacacat ctcatccaga tttatttata aattctcaaa tttaatatta tagatatgat 240
ttgaacttgt ggacttttct tttgaatttt ttgtgtagat ttttttttat taattttgtc 300
atTTTTTTgt aaatttttcc aaaaaatttt tctgcatagt tagttatgat ttatggtttg 360
gacaaaacta tgatcatttt tccttaaata tgtcggaaaa atatcatcga attctatttt 420
tgtgtatt 428

<210> 23771

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23771

caggcgactg agtctctccc ttctgtgccc tgcagccaca gttcgtggat acagggagat 60
cttaacactc tacctctata gcctttcaac cacctacaaa ccgaagttca atggcctaaa 120
agccgcagcc ctatatatca tgtaccotta tttgagcaat tggctctgga tcaggctctt 180
caatgtaaga agaaatggat gaaatcggct gctggaactt gatatcatat gaggaagaac 240
tcatatgcca tctgggtttc ttgcattcaa ggcggactat ctgagatgag aatgaaacca 300
ccttcttcaa ttggagaaga actctgtaca atctcgaagc atgaatccn 349

<210> 23772

<211> 506

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23772

ccccacaaca caatcaacaa tgaccgaaga tcggaggaca acatatcnac acanacacnn 60
ccccgagcgg cnatgagcc gtggactacg aancnnnaan aannaccggg aaccgagaac 120

gaaaccaggg agcaaaccaa gtgatcgacc agccaaccaa cccacgagag acaggagaga 180
 acgcgggaca gacgcacngc gaccgcagca aagacaaaga ccagtgaaaa aagcgaacga 240
 aagcaacaac acagccatcc gcggaacaac acgcggagac aaaccaccca gacccacag 300
 agcaacaaag gaaggcgcag aaaccaagcc gccgatgcaa gcacacaaaa aacgaacagg 360
 accaagagag ggaaaaaacc ccaacggaga aacaccaccc cccaaaaaaa gcagcccacg 420
 aaacagcgcg aaaacaaaga aaacaaagcc gacgcgcagc aagcacgaaa ccccgaagga 480
 taccacaccg gccaacagg agaacg 506

<210> 23773
 <211> 85
 <212> DNA
 <213> Glycine max

<400> 23773
 tttctaatag tatatatatc ttgaagacac ggtctttcaa tatgctctta tttatgaagc 60
 aaataatcca agaattgattt tgtct 85

<210> 23774
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23774

cgcaccaccc acgtcctcat agacgaaatg gcgacgacac acaaccaaac tnnacccnc 60
 nccccagcgc cggggnnttg aactgagacg gtcgaccac gngacaccan accaaccgca 120
 cccgcggggg ncaaacaaag gaccacacac aattctagtt agattgccaa accccacaaa 180
 ggccgacggg tcagacagaa cccactccac gacagagaag aaagcctcaa gcgtccacca 240
 caggaaaaaa aaacgaccaa tcgcaccaa caacgcggcg cgcaaaaggg ggcaacaaac 300
 ccaagccaac gcgcgagggc agagaccacg cgacaagaac agcatgagga caaaaacgga 360
 acggaagatc tcaggcgagc cactaagccc acaaagcact aatgaagcc cgaatcaaca 420
 atgcaacaac agagaacgag aggctcgac aggagaccgc cctgaaaagc ccgacaaaacg 480
 cctaagagca acatcagggg caccgaaggc agaaccaagg cagaacn 527

<210> 23775
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23775

agagaactgg ctgactgaaa ccgnaagaat ggaccggaac caaacgacgc gtttcatttg 60
 atacgcagcg gacgggcacc taagaaaaaa ccgaacctct tccaggacag acgccgaatt 120
 cgcaaactca gactctacaa agaaaacgcc ggaaaacagg acacgccaca acaactcgat 180
 cgctcaacta aacgcccgct taaactgtaa caggaggacg gcacacaatc ggcgggcaaaa 240
 taccctaaacg atagcacaga gcgaccacat agagaagcga catcagacgg acggccagca 300
 ccc 303

<210> 23776
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23776

ccccgccgcy ctccaacgga cgcaggaagc gaggcacaag gataacacaa caccnncccc 60
 gaggggcca tgaacgagtg acatgcaaac cnanacannn anaaagaacc gacgaagaaa 120
 aagcgggaca acagttgtac tgtacgcaa acccgcacgg ggacgaggag cgcccatcgc 180
 acaaaacgaa gcgaacaagc aacgaaacag cggaagacct caaggacgac ccacagagcg 240
 acgggcagac aaagccacgc acgcagcgaa aggaacccgg cagacgcgca gagccaccga 300
 ccggggcgag acgggagacc agcgaacgga gaggggacac cgaagaggag aagacacgac 360
 gcgaagaaga gaagcgggag cgaaaagagg aacgccgagg aaagatgaac agagggcggg 420
 ggaggaacag aacgaaaaac gccaaagcagg gccagagacc agggaaagaa acgcgaagca 480
 ccccaacct 489

<210> 23777
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23777

tttgaagtt agtccttgac acagacatga tcggtacatg atttgtgact tgtangattc 60
actttgggaa aaattggatg ggggaaagac tggcttcga aatctgcact ttatgcacaa 120
ttttgctgtt gaaatgtgca gcataattct gtattagtgc ataaaaatgc tcgtgtatgg 180
ctgggtgtaa aaagggatc tacatatggg gttctggaca ttgctatca tatcccaacg 240
gtcaaaattc atacctatgt actagagact tccggtaaa tcttagagtc gatccgacgg 300
ttaatcgaat g 311

<210> 23778
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23778

tctccacccc actcactccc ataacaaacg attgaacaca aagagaagga gaccaccccc 60
ccaagganaa attgaccgta gacaggccta caaacggaan acacgcaccg ccagccaaac 120
ccccaaggga agttgacgac cgaaccagcc agcagagcac cgccgaccca agaaaaaacg 180
caccaccga cacagcggaa agacggagca aaacaccaga gcgacggaca acccgaccgg 240
acaagcgacc gcgaacccaa cgcgacatag cgagccaaaa caaaaccgct ccataccac 300
gaacccaaac atcatagaaa ggccagcccg aatcaacca caaagcctgg ggaccgcaca 360
cccaacgacg agcaccacca gcagcacaaa ccacancacc acccaagaca agagaattcg 420
cagcaaaaaca cccgcagaga ccaccccaag cgccgggagc aacgcgaagc agcaccaca 480
cgcaacggaa acacgcaggc g 501

<210> 23779
<211> 362
<212> DNA
<213> Glycine max

<400> 23779

agcttggeca aactcgccaa tgacttctgc gatttgcatt gtttttacgt aaaaaatagc 60
cccatagtc catatcgga attagtctcg aaaaggagcc catgttgaga aatttgccaa 120

ttatgtattc ttacatggt tgccgttaat atgccctaata ttacctaata catgagataa 180
 tttccactct cttaaattaat tataattatc taagagcaat attgttttgt ctttaaaata 240
 gtttatttat aacttattta gacttattat tatacgacaa atattagtgt ataaaaatag 300
 ctaaataatat gttaagttgt ttttatctta ttccaataaa tttctaaact aacttataac 360
 tt 362

<210> 23780
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 23780

tctcatgggc ttgtgtcata gtcattttta tacatgtttg cgtccaccc cattgtgtca 60
 ctttccatgc atcagttttt tttggataaa attgccctca tataaaaagg gcaaggagac 120
 tcttcggtgt tgttgggggc aacaaacgat atatttgtgt gatttcgttt caacaacctt 180
 aaaagtttga tgcaccttca tcacatattg tttagtgcac tttttaccgc atctttactg 240
 tcaaaatcca tgccaacata taattcttgt ccaacattaa aagtcgttgg tatgtccaga 300
 tcacaaatgt cctcctcgtc cggatgactc caattgatat tattataatg catagcatca 360
 ttccaaaatg gattttgaat ttgtggtaca cctaataatt aataaaaaat catg 414

<210> 23781
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 23781

agttttgaat tgaccagcct gtggctctgt gcttttctaa tgtagtatat atcttgagga 60
 cacggtcttt caatttgctc ttatttatga agcagataat tcaagaatga ttttgtctct 120
 tgcacagtac tagcaaatca gcatgtgctg aagttaaata ccatgagctg atgggtctta 180
 gagtctaata ggttataaat tatagtgaat cgagttactt atttattttg agacaatttt 240
 ttttttaaata gtttaagttt aacacacttt ttaaaaagta taaaaacgat taacaaaaaa 300
 ggaaaaaaag aaattcccaa actatgctgt taaaatgtta atcacctctt ctttccat 358

<210> 23782

<211> 376
 <212> DNA
 <213> Glycine max

<400> 23782

ttagattctt ggactgacta tttattatga tttaatctca ctcaaaatct attgtctttt 60
 cttgagaatg tattatgtaa ggttgaatct agatattctc caagaaactc aaaatgtgtt 120
 gaattggtaa catctggtat tcaattccat taatttaata atgtcattcc ctctcctgtg 180
 ccctttcttg taattatctc cacttggtat cttgatttct tcccatttat tatggaacac 240
 aaatagggtc ttacattcat acgtcaaaac aatttagtcc tactgcatga atataattct 300
 gttgaatttg ttagatgccca attaggacct atttacttgt gttattattt actgttctta 360
 ttcattgatt ttactc 376

<210> 23783
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 23783

agcttctact tatgtggcag ggcgggcttc cttcaccttc ttgtctcaac cgcgagcttt 60
 gactaccgtt cttccttctt gcgatgcttc tctttatata tgctgagtg ggcttatagt 120
 ctaaccata cttccacga tttcctttgg catttattac gctagttatg ccgccgttga 180
 ctttgccata acccattccg ggttcgtaac cgttccctaa cataactcgg gccatcatta 240
 ctgctgcata ggacaggcaa gcttgcccag agaaggagtc cactgaggaa atgcttacca 300
 cctcataaga ctggaagca ttttctaata actcctctgc ggccctccaca ta 352

<210> 23784
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23784

ggtgatgaac ttgtgaacat gaanacggca cctgatgcac ttgtcacatg aggctgtatg 60
 gtcatttcag gggcgaggacc ccagggtccc gaataaatcg cctaagacac atgccggcga 120
 gggaggccta tccttgagag cgaacgttga cggatggtac aacggaacct ctttttgagt 180

aacacttaga ttgtcgtatt aatggatgaa ctgattatct atcggttcgga tgggtgcaacc 240
 atgtaagaac ttaacgtcca aagtgactat atctttggag gacccctcat ttatcctccc 300
 cagggccagt atccacttga gtttgtcgag cgaag 335

<210> 23785
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 23785

agcttcgaag agatgaagtt ctaattgaag cactcatatt caagtgcctt tagtacaaaa 60
 atccgtgtaa attgcttgaa agttttaaag agcattcaaa acaccttgat tatcttgaga 120
 gaacaaacta catgctaaga ttgtctatcc atttgtaaga cgatcgagtg ttaatcattg 180
 tacaatcgaa taaacaaata cttatgtgtg ttaaagccaa caatgacttg ataggacaaa 240
 taatactctc tgcattttaa atctcaaatt gttttataag atctaaaact atcatctgaa 300
 ttgttttgcg aaaatctgat atctactttc tttcgtaatt caccatcaaa tgatactgct 360
 gttgttttag aaaa 374

<210> 23786
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23786

tcaattggag tcttgtcttt tacagactta gttggacatc tggtgagtat gtaagcagca 60
 gtgtagactg cttcagccca aaatgtgtta agtagtccct tctccttgag catcgatcta 120
 gctatttcca taactgtgag attctttctc tcggacactc cattttgttg aggagaatat 180
 gagactgtaa gttgtcgcta aatgccttca tcctcacaaa atctttcaaa ctgcgagag 240
 gtgtactctn tgtcgtgatc acttcttagt acttttatcc gttttccact ttgattttta 300
 gcaagggcct tgaactttnt gaatactcca aagacttctg attttttctt ttagaaaata 360
 taccatgcc attctagaga agtcatcaat gaagagtatg aagtaccgt tggttctcat 419

<210> 23787

<211> 347
 <212> DNA
 <213> Glycine max

<400> 23787

tgtacaagta cttgggtgcta tggcataccg tgctcctcaa catttgtctc ggggtcttct 60
 taagattggt cccaaattga ctgagatata atatgaagca cacattatct ttcacttcta 120
 aagttcttat aagctataga ttgcattacc ttaacccatc tcgtaattcg aagggttttga 180
 ctgatacaca tcctatagtt agtcagctgg gcaaattggc ccttcaacac gttagtcttg 240
 acttacgaac tattctatcc atttgattcc tgcttctgtg attaattgtt tttatttcat 300
 gggttttttca agttgggaat gtgatcaaaa gtctataata ttctgtc 347

<210> 23788
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23788

tgcactatgg tttataggcg gacaaaataa tgtgatttat tgaataactg cagtaaaatt 60
 tcaaggatca acctagcaca aagcttgaaa atcgactaaa agtagcaccg gtaatagtct 120
 tcttttgtgc caaactaatt tgaaattcct agtacttcat gaaaatgaat ctaattcctg 180
 tgagattgag acagggttga ttgcaatttt caataataaa ctcttatccg atgcaaacta 240
 actgaatggt gtttaattaa ataagatgcc ttgccaacag gggttgagaa aaacagtagt 300
 tttaggagtg gacaagccag gatccacgtt gggccttagt tgtagtgagt cctccatagt 360
 gggaattgaa gagcctcgtg gggtgcttat ttggaggact gatgtatcta ttctcc 416

<210> 23789
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 23789

agcttttgag cttttcatat ggtcatagct tttcactcgg atgtccgatt caggcgcata 60
 atatatcgag acgttcgaaa ttgaacaatg gaagctcttg agcaattcaa atgatcataa 120
 ctttttacta agatgtccga tgcaggcaca taatatatcg agacgctcgt tattgaacaa 180

cgatagctc tcgagaaatt caaatgggtca taactttcca cacggatgtc agattcaggc 240
gcataatata tcgagacgct cgaaattgaa caacggaagc tctcgagaaa tataaatgga 300
cataactttt actcggatgt ccgattcacg cgcattatat atttagacgc.tcg 353

<210> 23790
<211> 413
<212> DNA
<213> Glycine max

<400> 23790

tccattgtta aatttcgagc gtctcgatat cttatgctcc tgtttctgac ctccgtgtga 60
aaagttatga ccatttgaat ttctcgagag cttccgttgt tcaattttga gtgtcttgat 120
atattatacg cctgaatcgg acctccgagt gaaacattat gaccatttaa atttctcgag 180
agcttccggt gttcaatttc gagcgtctct atatgtgatg tgcctaaatc tgacctccgt 240
gagaaaagtt atgaccattt gaatttctcg agagcttccg ttgttcaatt tcgagcgtct 300
cgatatctta tgcgcctgaa tcagacctcc gagtgagaag ttatgaccat ttgaatatct 360
caagatcttc cattgttcaa tttcgagcat ctcgatatgt tatgcgcctg aat 413

<210> 23791
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23791

agcttgctat tttgaaagct gganaatcaa acttgccgct tctcgaaccc aattcgatcc 60
tttcgccgcy aaaactaaat cagcaaagct tgaagggtgtg taaccaccca tcttctcata 120
gtagaacacc ggtaacgtgt ccactatgat tgctatcatc tccttctccg tcattagggg 180
cgctacttga gctgcctggt tgctgatcgg caagtgtacc aattttcaca agtagtattt 240
aaacgataaa atcgagtatc gtatccacaa gaaatttggt tcacttagat gatgtatatt 300
cagtatggaa acacttttaa cttttggaaa tgaaataaaa gattcaataa tgggttaaatt 360
atctgcaa 368

<210> 23792
<211> 402

<212> DNA
<213> Glycine max

<400> 23792

ttctatagtg tgaaggacaa attaggctct taccatctta tattatagtt tggggtcagg 60
gcggtcaatt ctttgaatgt gtctagatcc atgggtgact tgccaggata ttatgttcaa 120
agaaagaaga aaatgttgag acagttggat tggtgtttca acaattaacc atgggggaaa 180
caactacatg acctttgata cattgtagaa tgctgatatg tcaaataggt aataaagttg 240
ttttagtaat acttggttat cctccattct tgtccgatga ccctataacc acatgcaaaa 300
aggtaccatc cttaattggt ttaatcgctc ctgattaaat cgtaataatt tcttgcattt 360
cattggagaa atcatttaag atttgtagat gaggctaag aa 402

<210> 23793
<211> 362
<212> DNA
<213> Glycine max

<400> 23793

agcttgtgga attgcacaac atcgatatt tggatgaatt aatcgactac cttatttcat 60
aattgattag atctgttgta actatcataa attataaata ccgttatgtg ttttctttga 120
caatgactct agataagatt aatcttgaag aaaagcatgt tgagtcttct ataatgattg 180
cactacattt agtttgaaga ttcaagataa tcaaagaatc gttcattcta ccgtcatgaa 240
tagatcatct tatgaagaca atttgaagat agtgaacatc tacacattgt acgtgtattc 300
aatccttaac tttcaatcgt ttagattgtg attcttggtt acggttacta agaaggttat 360
ag 362

<210> 23794
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23794

cgcatgattc acattctccc cttttgtcaa gcaaattttt tntttatcat caaaacctgc 60
atgatttaca ttctccccct ttttgatgat gacaagcatt atccacggct tgatctttct 120

gacatcatca aaatcttcat gatttacatt ctcccccttt gtgatgatga taaccaccta 180
 taaggttagga gcaacaacaa agaaaaaata tctattggca tatagtatac tcccccttgg 240
 ttttggaatg cttgcttata tgagacaatt gaagatttca tatttttcat atataaaaag 300
 ttgtctcata aagaatagac attgttactt actattctat cttgtatatg actctcccac 360
 tttgtcaaca tcaaaaacaa atcatgagta gagaggataa aaatgttacc act 413

<210> 23795
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 23795

agttttaata ttttctgaat tcacaacgtg tgcgcttagc accaccctcg cgcttagcgc 60
 gattaagtga atttgagctt agcgccagtt gtgcgctgag cctggctgaa gacaactggt 120
 gtgcataatg cacagatctc gcgcttagcg cgcggaacttg atattgatgc tctgtcaaata 180
 tcttttgtcg cgctaagtgc gctgaagcta cgcttagagg tggatgtgcg cttagcccac 240
 tgatgagcta agttcaattg cactattaac acttcatgac ttatcctctt tttcacctga 300
 aattgtacat acttcatcat taaatccaat ggacatatc tagatcagtc ttaa 354

<210> 23796
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23796

gacggctttt natgatacct agaacntgcy aacacgtgac actatcaagt ctgcaatctt 60
 gccttatacg ctcaactgaaa gatgcgattt atggctatcc taggacgaaa cagccaggct 120
 cagactagct ccagaccgac tcaaatgaaa actaggaccg gctataacct gactttgtgc 180
 aaaactacac ttgaatttcg gaggggacca tcaacacgag tagactctct gatggactga 240
 aaagagggtga ttactatgat tgagtatacc actcctgtac cctagcatgc aaatgactgt 300
 ggtcatgccc tcaactcccc gacttagggg tgccaaaaaa cgattaagtg gaaaggcaga 360
 cacgatcccc gggagcgcca gtggagaaga ccgcacagcg gggccagaac aagagggggc 420
 tacatgcgga ctgtgatctt cctgccaan 449

<210> 23797
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 23797

agtttgaatc tgacatccgt gtgaaaagtt gtgaccatgt gaatttctca agagcttccg 60
 ttgtttaatt gcgatcctat cgacatatta tgcacccgag tcggacatcc gggggaaaag 120
 tcatgatcat tcgaatttcc tcaaagtttc cgatggataa cttcgagcgt atcgatatat 180
 tattaccctg gatttgacct cagtctgaaa agttatgacc atatgaattt gacgagagct 240
 gtcgatgac aatttcgaat atcactgtat gtgatgcgcc tgaattggac attcgagata 300
 aatgttatga ccatgtgaat ttttc 325

<210> 23798
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23798

ttataagtgc gggctctggga gacgaggttt ttgtttggat attgtgaaaa tgatgtgacg 60
 agtacttctg atatgggccg accatgccct cctgatttcc agctgggaaa ttggtgagtg 120
 gaggaacgcc ccggcgttta cgcaacatgc ataatgtgaa cctttacggc tttacagct 180
 ctataggtgg gcctaggctt tagagtttcc tttttgttaa ggctttgggt cttttgtttg 240
 tgaatttata atacaaggat ctttgctcat ctgttctcgg tctctacca ttctcattca 300
 tttgcatgac tacttccctc tctgaaacgg ttgattcgat gacgagttcc ttgaaggttc 360
 taatacct 368

<210> 23799
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 23799

agcttttagtt ttcaattacc agcgtctcga tatattacgg gagtcaatca gacatccgaa 60
 ttgaaagtta ttgtcatttg actgttcata gagcttccgt tttcaattat gagcgtctcg 120

atatacctacg agactcaatc ggagatccgt gtcaaaagtt attgtcgttt gaatttgcta 180
 agagcttctg ttttcaatta caagcgtctc gatataattac gagactatat cggacatccg 240
 agtcaaaagt tattgtcggg tgacttttct tacagcttcc gttttcaatt ttgagcgtct 300
 cgatctatta cagggttcaa tcggacatcc gagttaaag ttatt 345

<210> 23800
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23800

ntgagcanat tcaaacgaca ataactttcg aatcggttgt tcttatgtgt cccataggat 60
 atcaagacgc tcggaattga aaacggaagc tcttagaaaa atcaaatgac agtaactttt 120
 aactogaatg tccgattgag cccttaata tatctagacg ctcgaaattt agaacagaag 180
 ctctatgata agtcaaata cagggacttt caattctgat gtctgattga gtcccgaat 240
 atatcgagac gctcgaatt gaaaactgaa gatctgagcg aattcaaacg acaataactt 300
 gtgactcgga tgttcaattg cgaccctgat gatagcgaga cgctcgtaat tg 352

<210> 23801
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 23801

agcttagcac gtaacagtga gatcctaaaa ctataatccc aaagaaaatc aagcagacgt 60
 gactcttaag gcaacacatt caccacaat gcatttttaa gaaaagacga gaaatatgaa 120
 ggtgaatgta ttttgattag tgatgaattg aagtggcacc ttgagttttg aaagcaacaa 180
 aaagataaaa atcatggcga ctttaccata aaagcaacta tttgctgctt taaaaaacca 240
 tggcaagttc aaccaatagt caatccaacc cgactagac tcagggtcaaa gattagtctc 300
 ttaaccgcgg aaagtcaaaa agataattac caaaaacaga agatcagcat ttattttact 360
 aa 362

<210> 23802

<211> 417
 <212> DNA
 <213> Glycine max

<400> 23802

tgtatctttt atgatgaagc agctatgaag tattttttac taggtgaggc tagctgcata 60
 aatcaaaaga caccattgtt ttctatcttc aactaaacc tttgctagtc catttagata 120
 aaatataaac ataaaaaaaa aatccagggtt ttcattgtcta ctctagtcac gatgatcagg 180
 ttttgggtta tgaaacacaa ataactctga aattttttga gagaactaaa taagaaaaat 240
 cctaacaata aggggaaaaa aataattaag aaaatcaaga gatgtacaca ttacagatgt 300
 acaagaaagc aggatagtga gaccctaga tcaacaaaa aaaggatatt tagatttcca 360
 aatgttttta ttatagggtt taggagactc agatttccaa atgggtgtgc ccctgat 417

<210> 23803
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 23803

agtttacata tattcccat gtgataatct gaacaagaga gaattatggg aagcactaag 60
 ccagctaaga caccaagatc ctgagggtt atgggtgttc ttcggagatt ttaacagcat 120
 tagacaccag tccgagagag aagggtgtgc tcacaggggt atggaagcaa acaacataac 180
 tgattttagt gaatggctag ccgacctaga ggtagaagaa atacctagtg tggggagaag 240
 attcacatgg tttaatccaa acgggactgc aaagagtaaa ctagatagaa tttttgtctc 300
 tcatgaatgg ctcaacaaat ggccaggctg caccgaattc atcttgatc ggaacttctc 360
 g 361

<210> 23804
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23804

cattcggacc ttgatactag ctgtgctaga ttgatgtca gctgagggga ttgtaagttg 60
 ggagtttggg aatgactgtt ggaatcactt tatgagaaaa cgctgatggg aatggaacac 120

tgctcctcct tttgacctat tatatattat aagagcatga aagagatgat tgggaaatac 180
 cacaaaatca aatctagact gcattcttac tcacagccat caccttgttt gcctgntgct 240
 agttgaacca acaccttaac actattggcg ttcttggtta tggct 285

<210> 23805
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 23805

agtttgtaat agatttgaag tcaaaatgca attccaaagc agtatcattt aaaatattta 60
 acaaaaaata ttattaaatg agctaattaa gatattaata taaaataata atgaaaaaat 120
 cttgctttct aattttacga caatttaaaa aattataata agtaaaatat aagtcgcata 180
 tataatttaa taaactatta atttggcctt tttaaattatt tatttgacat tgattttgct 240
 tttaattttt agtgagatgg agtgagtctt ttaaacattg aaaagtatta aaatcttttt 300
 gtgatatgga gtaagtcttt tattttaatt atgtaagttt gtccttaca tataatag 358

<210> 23806
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 23806

tcaatggtaa aaaaattccc tcagcactaa taacttttct tcctcttccc tctgtcaccc 60
 aagtgttcta caaggtttag acgagaacaa gacttgtatg acgctggacg gtctaggttc 120
 gaagctagga ggggctcttt tgggatcatc gtcattctct tgtgtgtcct gatgggttca 180
 agtttaaaga aggaaagggg ccctaccatt attccaaagc aactatatta gaataggata 240
 gttttcagaa taactatttt gaaataaaaa aattgtattt taaaacaact attatgtaat 300
 atgaaaaact attctogaat agctattttg aaaatgtatt ctattcaagg tgggggtgta 360
 gggtaaagta gtatttttat agtcttttgg gaggtgtagg atgtaaa 407

<210> 23807
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23807

agtttntaa tgatgagttc ttagttatga gaggggtgag tgtctgtaac ctatagcatt 60
ctaaggaagt tttctcaatt aagcctccca aagacgtagg gtctagaaaa cttcttctgg 120
aagcttecta gcctatacat acaatcctga gaacacttgg tgtcactttg atgaatgaga 180
gtatcgctg acatgcttta atgtatcgct tctctacc 218

<210> 23808
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23808

ggccggggnt tatactgaga ctgacgactt caanancgag aagcangnaa cctcaagccc 60
ggagcatgag atttgggagc ttttacgtgt tgggttttgc taagaccaga ggagctacgc 120
ggattggaac ctagttgtaa gtcattgatt gatgagagac agttcactgg tgcaagcgaa 180
gtctacgtac ctaactccgt gctataccct catttattat ctaaaaggag aggaacgaat 240
tgcaggataa tttgtgggaa agaggcaaca ttacctcagc ataaaaggct gtgagttctt 300
ttattccgtg tatgcctaata acaaccatca tgtatataag tcagtattag acagacttga 360
tacaatgtat acgctcatct cgttacacac cactcatgat gccgcagtcc acatacatc 420
cctagctctt aaccttggtg tttatacgga gtgacaataa agaaacgacc ccgccttcac 480
ttaggaaata ac 492

<210> 23809
<211> 374
<212> DNA
<213> Glycine max

<400> 23809

agcttgtagg gttaaagtct cagcattgtc acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catctttcca aacaaagtca ggtagcgat aactcgcttg tgctttttct 120
tccatgctat atttagcaaa gtcattgatc cagtcattgtt tgttgagttg gaaaatgagg 180
ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggtcctggt tatctacaga 300
 ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
 gtccataagc atct 374

<210> 23810
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 23810
 agcatgttgg tctctgtctc gcataaatgc tgagactttc ttcttttggga ccttgaacaa 60
 gcaatcaact cctctttcag aaccatgcta tgtgttcgcg actggtctct ttcttccctt 120
 cgcaacttga gttcactatt gctaccccat agagctccgc gaaatttggt ccggccatac 180
 tcttcccttg gagccctctt ggtctcttgt tcaagggctc ttgcggtaat tgcattctct 240
 tcccgtaacc cggcacactc cttccgaacg tgtgtagcgg ccaacttgaa cttctccttg 300
 gcaagtattg cctttcctaa ctgcgttttg agatcttgga cttcctcgtc ctctttcggt 360
 gcttcaaaac tctcttcgtt gacgactttt aacttggcga gccaatctaa acctcgta 418

<210> 23811
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 23811
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 ccattctgct gccattgatc ttcaagaagc aaaggatttc attgatgaag aagatccaag 120
 gcctacaagc tctacatgga gctacatcat gtggtatcaa gagcatcttc atctaagtga 180
 tgttcttttg cttcctctat cttttgcttg gtcaattcac ttttaattcct tgttcttcat 240
 catattctcc atgtatctcc tccattatct tgtgggttgg ttctgatcat agtagattca 300
 aaaatataaa tcgattaaat cctagatcta tacttgttct tgcatttcta tggctcaaat 360
 tttat 365

<210> 23812
 <211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23812

tatagacaac tcaagctntn tccacgttat acttgatacc tgtgtggtta tgcaatttca 60
aaattctgtt ataacaactt agcaaaatat cttgtatgaa atggctataa aaaggggtaa 120
tgatgaaata aaaagatatg agaattattc cctgcaattt agcttttctt ttattctagt 180
tagctatcaa ctgttccgac cttagctttt cttttattct agttatctat caatagacta 240
ataggaaaga acaaaatact aaacatttat ttaattaaat ctaataaaaa atttacttca 300
atcacattat ttaacaaaat acttgcaagg tctgtaactt catgaactaa agagcaaata 360
caaacgaaca aaatacaaat acatccagca acatcaaag actcatatcc attacttcaa 420
aatacaaata c 431

<210> 23813
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23813

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agcttcatga taacatacca tgagagggat gtttctctac acttggagca tatagaggaa 120
ctgtggaaga tcttggggtg caaagagatc ccttcaaggc ttttcattac agggaggtac 180
attggaggag ctgatgaagt tgteggattg catgagatgg ggtggccttg aaagcttttg 240
gaaggaacac caatggactt tgctgatggt ccttgcaaag gttgtgcctg catgaggtn 300
tccatttggt ccaatcgtaa tggtagtgc aaagagttta ccaccaatgg tgacaacacg 360
aat 363

<210> 23814
<211> 416
<212> DNA
<213> Glycine max

<400> 23814

ttagtcatgg ttatggttca aaattagcat ttatgaatca cgttttgaat taatgcagac 60

tgtcacaact atctatggga gaactagctt catatatctt aattataaca ttctacaacc 120
 atttctctct ttctttctct ccagatatt ctaaataaat aacaaatgaa aggaaatcag 180
 atgcagttac tgtacaagta cactgtaaata acacatgcag acacatttag aaaatgcaac 240
 aaattttgta aatatagcaa gcaacaaata aacattgtat tattgtatca cacatctggt 300
 aatatgtatc ataattctgc cgtgggtccaa aatacagaaa tataaccatg tagctgtatt 360
 caacagttat aaacatatag tttcttccca ttgcgctcaa ctctctattt aaaaca 416

<210> 23815
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 23815

agcttggagc tttgatccct cttgatggac tagacttaga ccaaacaaca ttattgtaac 60
 aacatattta aacaaaaact taatctgtag atccctcatt taagacaaag tttcaatcct 120
 gttcaatca agttctaagg caacaatata ttttccaatg ctaaagtcac ctaactatgc 180
 acacaaatgg gtgatcagac caagagcata tagaatttaa gcactgaaag aagcattgaa 240
 cacaataaac acaatcaatt agatattaaa gtaatcacat cagttgttct ttagaaatcc 300
 ccaacaagag tatntagcca gccattacag aaaaacccta acgataatga gattaagagt 360
 agagaat 367

<210> 23816
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23816

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 actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagcgggct tatagcctaa 120
 accatacttc ccacgattcc cttgggtttt tatcagacta gttatgccgc cattgtcttt 180
 gcctaaacct atcccggtt cataaccgtt cccaacata actcggggcca tcattaccgc 240
 cgctcggac agacaagggt gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
 aaaagactgg aaagcggtt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaagtgcc cctccactac 420

<210> 23817
<211> 348
<212> DNA
<213> Glycine max

<400> 23817

cgacagacac gagcggatgc aacaaatggt aaccgaggct ttacgatata tctgtcctga 60
caaagtcaag gcatcgatca ctgcctcgcg cttttatacc catgctgatc atacgtagt 120
cttagctgca aatatgttta gatgcgttgg aaaatgagga cacgcttcta ctgtgccaat 180
ctgagagtga taacaccacc gcttcccttg acatcttgag tgactgtgat agagctgaac 240
ccaaagaatt gagacagtgt gactcctgta gatctacaga ggggtgtacc ggatgaacga 300
gtgtgggttaa tctgaactag gaatacatat ttcgataatg gcattgca 348

<210> 23818
<211> 396
<212> DNA
<213> Glycine max

<400> 23818

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attactctga ttggcttttg tggtgaatac tttagtataa aaccactttt ccttggtcaa 120
agcaagtttt tcataacaga ttttgaacta tagcttcatt tattattcat aggatttgtc 180
cgatcgtagg agaatatctc tgcaaaatga atctcacaca cagaaataaa tgaagtgtga 240
aatattattc tttaatgttg tatcagatca tgattttgtc ttattttcgt ctgatacttt 300
agacgcatta tgtatgtaca acatgatctg atttcacata agacacaact ttttaactttt 360
gtatttattt gcatcgaata aaaataagga gtcttg 396

<210> 23819
<211> 312
<212> DNA
<213> Glycine max

<400> 23819

agcttgacat ttgaatatag gatctttcct cctcaagaat aagggtgtga ttgatattct 60

<210> 23822
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23822

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 gatatttgcac acacctcctt caaagtgaag tgtgtagcct ctctccatca tttggccaat 120
 gcttagaaga ttttctttta ggctgggaac tagtaagaca tcatgaatga gtcgcgtacc 180
 tttatctgtc tccaccatga cagtgccttt gccttttgat tcaaccacac ttccatttcc 240
 cagtcgaact ttgactttga cagactcacc aatgcctttg aaaatagtct cacccttggc 300
 catgtgattg ctacatccac tatccaagta ccagcttccct cccttttctt ttattgagtc 360
 ttgagtggca tagaacatac attgttcttg atcatg 396

<210> 23823
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 23823

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 aaagcctacc tctgtgagca tagtgacagc gatcctccta aatcctagag agattcgaga 120
 acaccctggc tgtatcaaag gactttcaca gaccttgtgt gtcgccctcg ctggaaagag 180
 agatactatc cttccttaca tcttcacct tgttctttca gaccaccaat tccagaaaat 240
 ccacctctgc ccagaatgat ctagtggcca taactcccat tgtacgcact caaataaagt 300
 gatccttgat gctaagttga atttcaaac gagaccctcc acctggactg gaatcac 357

<210> 23824
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23824

cgcttgtgac tgtctcgata tataccaatc atggtgaacg tttgtattgt gaagggggac 60
 cggagctgtt aactttcata gttgagttag gctcacatga gacactcact acctattgga 120

gaaactctct tgagttataa tggaatatca cagtcgtctg ttcaatctta aagtaccata 180
 ttatcactcc aatcttatgt ctctccttcc gtttctaata acatatttgg gtttagcttgt 240
 gcaccttata atcatgtccc taactgtcct catagctcac atattcacga agaaaacttc 300
 atatatagaa cacagtacgg ctagagaaga ttgagcagtc cctccatacc ttagttgggg 360
 cactagaaat atgatgaata tgagtg 386

<210> 23825
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 23825

agtttgcttc tacagaagga aattaaaatc aaagcaattc aaattctagg catttcaaat 60
 ttcccaaaat tttgaaattc ctaatccaaa tacaagatta atgattgcat taaatcccca 120
 ttccgtttgt actagaaaaa ccactctctt tagctttcat ggtgagcacg tcagtaggaa 180
 tccacttcct ttgcgttaaa gcaagtatgt cacaacatag cgtgtctttt tatgatgttt 240
 ggaaatttca acgaacattt ttggttggaac aattagttgt tgtttccttt ataaggagct 300
 ttgtattcta agttcaatga gcttttagagt gctttgaacc ccttcattgt aaattctggt 360
 a 361

<210> 23826
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 23826

tctatagaag gttcgttcct aattgctcta ctattgtatc acctctcaat gagatagtga 60
 agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcactt gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ttctggagtg ggagttggag ctgttttggt gcaagggtggg caccctattg 240
 cttatttttag tgaaaaactt catggtgcga cccttaacta ctccacctat gataaagagc 300
 tttatgcctt aataagagca ctcagaactt gggaacatta ccttgtttcc aaggaatttg 360
 tcattcatag tgatcatcaa tcaactaagt tcattagagt gcatagcaag ttaaa 415

<210> 23827
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 23827

agcttgcttg tggagcttct atggaggctg gatctttgag cttcaatgag gtccttcaat 60
 ggtgattttt caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaaaaaa agagcttcac caccaagatg agccttggat 180
 aagaagcttg gaaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240
 ggagcacgaa attgaaggaa gaaaaagga gagaagttga tctttgagtt gtgtctacac 300
 gactttcatt cttcttcact taccacaagt gtcacctgtg cttactttat ata 353

<210> 23828
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 23828

tgaaactaag aatgtagtgt gaagtttcac gttccccct ttttttggtt ttgtcttgca 60
 aaggaaaaac ccaggatgaa ccaacatgaa aacaaatggt atgccatttc tgcagatcaa 120
 aaaggttggt gaacgcatat gcatgatgat gccatgactc atgccaaatg tgatgctgga 180
 atatgataac ggacaaatgc acgatatggt cattatgatg ttatgaagag atgctcatgc 240
 gatgcatgat atgaatg 257

<210> 23829
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 23829

agcttgattt atactgggtc ggccacttgc cgcgctacg ttcagtcctc aagcaaccca 60
 cttgagattt tccactctct ttgtaaaact ctttttacia agtctgaacc acacaggggac 120
 aacccttccc ttgagttcag gaatcctcta caacaagaga cccacgatct cttaatccct 180
 tttcagaaat aagaagaaga aatctctctt aaaagagata gattgtacaa tgaagatcaa 240

taaaaattcc ttattgaata tgcaagtggg tgaccaagga atctttttga gaggataaaa 300
ctattgggca atgaaaactc tctttaaatt cgtgtttcca agtcaccttt gatg 354

<210> 23830
<211> 406
<212> DNA
<213> Glycine max

<400> 23830

tcaaaaggag ccataccaat actggcttgg ttgctattgt tgtaagtaaa ctcaatcaat 60
ggcagacaat ccattccagct accttggtgc tctataatac acgcccgaag tagatcttcc 120
aaagtctgaa tagttcgttc agtctgacca tctgtttgag gatgataagc tgaactaagc 180
ttcagctttg tccccaggc ttcatgtaga cttgtccaaa atcgcggaagt gaacctcgga 240
tccctgtctg atacaatact agaaggaatt ccatgcaacc ttactacttc cttgatgtac 300
aactccacta gcttctccat tctatacttc atattcactg gaataaaatg agcagatttg 360
gtgagtcgat ctactatgac ccacacagca tcgtgtccac gactag 406

<210> 23831
<211> 371
<212> DNA
<213> Glycine max

<400> 23831

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aagaatttct cttacaatac aagaacgctc tctaattaaa aatttaattt tgtttgacat 120
aaattttcgt catacatttt ttgcatatat atttaataat gcgagagtat atcatttaat 180
aagtggctca ttaaaacggt attatttaat aaattcaata ttttacggaa cttgataaaa 240
aaatatattt tttggtacat ttattaatat ttatttgata aaaatataaa aatttagtta 300
attatgtaaa aaattacatt aataatgtat caaattaaaa aatttaaagt gtgtttaatt 360
tgtaaaacta t 371

<210> 23832
<211> 433
<212> DNA
<213> Glycine max

<400> 23832

gaccttagaa actaagctta caagggcttt gacatttgga gtaggcatca agattagacc 60
tagcatccac tatatcatga gtcacaccag ctttacaagc ttacacatgc ttttgcttaa 120
caagttcaac aacgagcaaa ccaactggctg cactcaaatt ataaccacca gcaaaccocat 180
ctccttgaac accattccta accattgcac tgaaaagatt caccgcttcc acctcctaac 240
catgggaccc ataacctgaa ataatcgaat tccacagcac agcacacggt tcaaccttac 300
tatcaaaacc actttttgcc tccctcattc tggcagcatt ggcataacca gatatcatag 360
ctgacaaaaga gaactcatcc acattcgta caaaactcac aatgcgagca gcacttttca 420
aatcaccaca ctt 433

<210> 23833

<211> 372

<212> DNA

<213> Glycine max

<400> 23833

agcttttgaa ttttatctgt ttaagcgtcc catgttaatg cgagctaatt ctattatgcc 60
atagccatgg atcattatct ttgctaagac aacattgact attacctaaa ttttgactta 120
agtctatcat gtaaacatta ttgactctaa accctatatg ctttatattc gtatcatgtc 180
catgttcaat gacacattgt tgagaaccaa atgataccag atagccgttg tcacacactt 240
gactaacact aagcatgttg tgcttaagac ctccaactag tagatcattt tcaatggagg 300
ttgaagaatt tgacctattt ttccaactcc aagaattcta ccttttgtgt tgtctccata 360
cgttacatgc cc 372

<210> 23834

<211> 401

<212> DNA

<213> Glycine max

<400> 23834

tgctctaaat ttacattgat gtttgtattt attggatgag gttgtatgtc gcttttgtac 60
taagggtagc atttcttggt aaaactaact ctccaaatgt ttgccttcgc aggaaatggc 120
cccgaggaag ctttctcaa agaggtccag taaggacaag gcggtcgaat gaactagtcc 180

cgctcctgag tatgacagtc accgcttttag gagcgttgta caccagcagt gcttcgaggc 240
catcaagggg tggtcgtttc tccgggagcg acgcgtccag ctcatggacg acgagtatac 300
tgatttccag gatgaaatag ggcgcctgcg gtggacatca ctggttactc ccatggccaa 360
gttcgatcca gaaatagtcc ttgagtttta tgccaatgct t 401

<210> 23835
<211> 361
<212> DNA
<213> Glycine max

<400> 23835

agcttatact atattgttta atcttgagcc tttgttctca atgattaagt cggctcttate 60
atagaggggg tctttatgct ttcttccaat atcgagaatc cattctgtaa gtacaatggt 120
tttctaatg atatgatcga ggcttcacac cagtaatgtg gacttatcat ttactaaaag 180
aattaggatt ccagacaagg agaaattacc accatataca tcttgataaa caccaattc 240
ttgcgtaata taaattaaaa aagattctat ttaaaaataa atagagtttt aggaaaataa 300
tgagattttc ataattaaat aaataagatt aaataatttt attaattaaa ataatgattt 360
t 361

<210> 23836
<211> 425
<212> DNA
<213> Glycine max

<400> 23836

actcaagctt ttacatgcat gttcacacca tatttactat actttgatca acttatgcta 60
tctattcgat cgaaaagata atttatatta ctcttctaata gtagtcgaca actaaaaaaaa 120
atataacaga aagtaatgct taagccaatc aaatcaagtc attgtgaatc tcatcattac 180
tatcatgcat ctcaaagaga aggagaatca ggcacgtgaa tgcatagcac aacaaaacat 240
taaaagaaaa catgccttct aaagccaacc aaggtaaaaa tgtatttata tttgtgaact 300
ttttcaaaat tataacacat atataaaaac atggtggaac aatctgacca catgcacaac 360
acattccaca cattatttct gaaaatgagt ggtaagggaata tataataaag cattgttatt 420
aaaac 425

<210> 23837
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 23837

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 cagtaaaagc agttacatct gatatatatt tgatgaagaa attttatgtc tgatcgacca 120
 cctatccaaa attcttaaag aatcttgatt cttacttgtc taagatcatt gtttgacctt 180
 tgtgcaggct atctttctga tttttccaaa gacttttttt cccctgattg cttttcttgt 240
 tcttctcata cacttttggt ccttaatttt tatatggcag aaacgaaacc tagatatatt 300
 tcgtacatag ttttgaacgt gggacaccat aaaaaaatta aaacattgtg tgaacaaaag 360
 caaa 364

<210> 23838
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 23838

tgcattggtga tgggtgctcta ccattataag attatgttca ttgtacatgc ctggctaggc 60
 gcatgatact ccactataaa aaaaattgtc agtagttatt atttactaac agtttaatat 120
 tagatcgcca cttgtagtat actccctcca cgtactctcg aacataagaa aaacaaagca 180
 cacattatct tacattaatt aaaaaagtta ttgatataatt taatttttat tagacaaaat 240
 ttgtatcaac ggaagcagtc ttgacattaa caattttgta cgtagcaaaa tgacaatttt 300
 ttaaaataaa gatccagttt caaacatggt tgtttgagtg taaatagaga ggaaagaaaa 360
 atgaaataaa agtataaata gagaggaaag aacaatgaaa taaaagtaca aagaaaga 418

<210> 23839
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 23839

agctttgaaa agtggtgttt ttcaccttct cgctaagcca atctgttggc ttagcgagcg 60

tccgctaagc gcaacactca tgggctaagc gtgaggaaga ctctggaaga aaatgagctg 120
 tacaggttcg ctaagcgcac cgcttcatct cactaagcac accgcttcag tccatccgct 180
 aagcgagaaa ggcacgcgct aagacaaaat tcactaatat gcgctaagcg gtccataatt 240
 gcgcttagcg cacaagcatg aacaaggcca cctatttaag cctgaaatta gatttttgag 300
 ggggagtttg gactgggatt tatagctttg catgtctaga gtttctagag agagaaagat 360

<210> 23840
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23840

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 aggccaaagg tttcttgagc cttgtcttag tcagcaacag tcttggccat cttctcctag 120
 tttttctggt ggatgtcatc ttggtccact agaggaatag gcatgttctt cctgatgtct 180
 accttcattg cttttagggt gataacaata aagtgtagtt gtttggcgat gaaaagacct 240
 ttacttatga ttgattgctt ggagtcctca tccattcttt caaagacatg aaagacctag 300
 tattccaaga tgagtttggt gatgagggcg acatagtaga tgtcatcctc ttctcccagt 360
 gtattcatgt ttctcanaat attgatgtag atagtgtgtg gaagggtggaa aggaatat 418

<210> 23841
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 23841

agtttttctc gtactccatt tggaaagtga tctgtaacag ccatattatc taaagtcatg 60
 tggataatga attacacatg gttagaatac agtgagatca aggatgcaac ttattgtctt 120
 tattgctttc tctttaagca acccgaggagg gccgaacact ttggttttga agtcttcact 180
 acaagcggat atagagattg gaagcatgca tctcatggct tgaaagatca tgttggtagt 240
 cataatacat tgcacaactt atgtgtcaag cactacgatg attataataa tcaaagacaa 300
 agtgtgacaa gttagtttgc taaagcaacc acggaatc 338

<210> 23842
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23842

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acgcgcatca ctactgtgcc tcttaataac taaacccgta aatactatct ctgtgttgcg 60
tttcgtcgaa aanaccanna cnaccagcgg cgtcggaatt gaaacctgta gcacctacga 120
agcaccnngg aanncncaaa cactcaacgc ggcaaagcag ataaggaggc ggcgactgca 180
tategatctt ataacggccg aaacgacatg gcgacaggaa ggtatactaa ctactggcc 240
aaaccgctgc catccccga aaatgcccc gacgaagcaa gtcaaaatga ggtccactga 300
ggacctcgca tccaaatgca tcagggtccg tactgtgatt gccagtgaca aacctatgta 360
ggcgcgccac cggcgacgcc ttacggacat catgaaaggt agcaacaatg cagcaaatca 420
tccatggaat gcactacaaa gagactcatg atacaaaaga agaaccgatc ctgatgggaa 480
ccataatgca tggcttcacg gccgaattgg agcgcaaaaa gcgcacggag cattgccgat 540
gtccgcaaac aaacagcgcg g 561
```

<210> 23843
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23843

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agcttcaaga ttaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60
agacctcaa tctttaatgg agagggttac cactactgga aaaccggaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300
aacataataa catctgccct atgaatggat gaatatttca gagtttcaaa ttgcaagagt 360
gct 363
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<210> 23844
 <211> 400
 <212> DNA

<213> Glycine max

<400> 23844

tgcggggccct caggcaatcc tgcattctcc ctcttttttc tgagcccat gaatgttatt 60
gcctagecgt gttcatgtgt cctccacctt caagtttga gctatgtttc atgattgcct 120
aagtgcggac cctcaaggcg atcctccatt ctccccgttt tttggatccc catgaatgat 180
gtagcctagc actgctcatg tgtactgcac ctttgagcta gcggctatgc ttcattgattg 240
cctaagtga gaccctcaat gcaatcctcc gttctcccc tttttcagag ccccatgaaa 300
gttattgcct accgctgtac atgtgtactc caccttcgag gttggaacta tgatacatga 360
ttgcctaatt ggggaccctc aaggcgatcc tccattcttc 400

<210> 23845

<211> 355

<212> DNA

<213> Glycine max

<400> 23845

agcttccatc agactcctat gcacatttgg aaacattcat tgaaatctgt aacactgtaa 60
agattgcagg catgccagat gaagccatca gactcaacct attttcattt tccttggcag 120
gagaagccaa gaggtggctc cattcatttt agggtaacag tctatgagtg attacaggta 180
gtgatcacac cattctaggt gataaattgc atcaaccac taagaagagt ttactagagt 240
tatcatcaca agacgctgtg ttggcaaaaa ataagttgct ctctaagcaa cttgagatct 300
tgtcagaaac cctgagtaag ttgccaatca acttgtctaa tggtaacct ttaca 355

<210> 23846

<211> 408

<212> DNA

<213> Glycine max

<400> 23846

ctcagcttgt catgagagta atttcggaca aattcttaaa ggtgggagta ttgtgacatc 60
ctcgaaattt ctactcgga tttttgtaa cggtgcatth tgtatgatta tatatatata 120
tataagtatt attcagtga tatgcatata tgttcctggt agaagtagga aaagtggggg 180
caagatacgt gggttaggct gattaaggaa gagaaatcca taactggaag gttatagggt 240

aattctcaat taattagtct aaaaatcatc gttttgctg taacttaaaa ttaacaaaa 300
 ccagcctctg aaccacgctc ggggttttat tcagagcgtt ttgatata tataattgc 360
 ttactttcga aaactggccc cgacgggcgc agagaaacgc gagggact 408

<210> 23847
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 23847

agctttgatt tataaccctg tatataacaa gcgagtctca cagtgtcgag aagctgcaca 60
 aactcttctt gagtaagatt atcttttttc ttcttttgca aatctattac tgttgcatt 120
 cattttattt ttaataagat cttggcttta catgcattgc aaaatatttg acatttctaa 180
 atcattagtg tctaactcta aagagctggt gccaaatgcc taactttaca cttacaaaag 240
 ggcgtcaata aactgagcta gaggatggaa gtggtattac caaacggat aaaatacctt 300
 atactcctca ttaatctcac ttagatctct cacgaatc 338

<210> 23848
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23848

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 tctaaacaac aatacgaatg aagttctgat gccctctat tgctttcgct tgataacttc 120
 ccgcatacac atgtacatgt tctactgtat cacacgaaat tttgaattga tcatgcatgc 180
 gaacatatcc aaatttattt tgctcattgt catgcttatt acgttttagaa gtataatcat 240
 ggtacacaga atatctacag aggatgctct gcaatcagct ttttaactct ctgaggatct 300
 acccttctac gtgggtaacg ccgtctccaa tatatactgn cactatttgc tgcaccttc 360
 cg 362

<210> 23849
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 23849

agcttttctcc actaagttgc ctgatgccta aaatgtcttt tctgatggaa gtggtcctag 60
atgcaaggaa taatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatggacc 120
tgaggagcaag gtagtataac caatcttttg ccactccctc tagagaatga ggaaaagcct. 180
ttagaaagat atgatcttcc tggacatcag ggggcttcat ggtggaacaa acaatatgga 240
actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaacttg ggcaacaaat 300
gtattagtcc agtcttaaga acatatggaa caccctcatc aggatattga atgcacaagc 360
tt 362

<210> 23850

<211> 416

<212> DNA

<213> Glycine max

<400> 23850

tgtaactctt ggcaatttat ttaaaaaacta atcacttata aagttatgac ttttgaaaaa 60
atcttcagaa acaagtcact tgaagaattg tgacttttgg aaatgtattt tttgaaaata 120
gtcagtggtg atcgattaca attaagggtgc aatcaattac acatcagcag atgtgactct 180
tcatttttaa ttttgaaaat cttaacgttt taaaacaatg gtaatcgatt actacatttt 240
ggtaatcgat taccagagag taaaactctt tggtaatgat tttgtgaaaa cttcttgtgc 300
tactcaatgt tttgaaaaac tttttaatac ttatcttgat tgagtcttct cttgattctt 360
gaatcttgag tcttgaatct tgattcttga ttcttgaatc ttgaatcttg aatctt 416

<210> 23851

<211> 357

<212> DNA

<213> Glycine max

<400> 23851

agcttttctcc actaagtttc ctgatgcctg aaatgtcttt tctgatggcg gtgatcctag 60
atgcagggaa gaatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatagacc 120
tgaggagcaag gtagtatagc caatcttttg ccactccctc cagagaatga ggaaagcct 180
ttagaaagat atgatcttct tggacattag ggggcttcat ggtggaacaa acaatatgga 240

actccttaag atgtttatga ggatcttcac ctgcaagacc atgaaacttg ggcaacaaat 300
gtattagtcc aatcttgaga acatatggaa caccctcatc aggatattga atgcaca 357

<210> 23852
<211> 397
<212> DNA
<213> Glycine max

<400> 23852

tagccctaga ggggatggac ctttttaggtc ttggatagga tcaataaaaa tgtctatagg 60
aggagttagt accactttta aatattgtga ttttaattcct tttgcagggtg gagctgatat 120
tgaagaaaaa gaaccaacag atttaagggtc aaatcctctt caagggggaa gggatgatgc 180
aatcctttct aagaagggtc tagttaccag agccatgagc aagaagctcc aagaggatat 240
ggctagagct actaaagaag gccctagggt tctcatgaac cttatggtag atttttgagc 300
ccatagggtca aggttggatc cactcttctc tgtaatatta gaatagggtt ttcctctttg 360
ggccttgat ttggccattc tagaatatag gggttag 397

<210> 23853
<211> 331
<212> DNA
<213> Glycine max

<400> 23853

agtttgtgac aggtccacag cacaggatgc agaagcatat ataaataaat attaaactat 60
aatagctaac cttttccaag gtcatactca agctcatgga ccaccaaggc tattccaact 120
actgaatcgg ggccagagag gggaatgtgc atggttagacg ccatacaata cactcagatt 180
agctactttc aaaatggaat tatagggtcaa aagagggttcg gaattatgac ccacaggctt 240
aacaaccatg attcgataaa aacatatcaa aagatcaact agtcgactac tactattagg 300
taaaacgcaa ataaaaaaga gcacctgaat a 331

<210> 23854
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23854

gcggcgacca cgtganactt ggattgagac catcgcanca ccgcgacact anngaacact 60

cacgctcggc caaaagcacg catcacacat ctgtaacatt gttcttatca ggcgcacacg 120

acaatccaaa tagcgcatte ttgatgacaa caagtgtcac gccctaacgg gaatattcta 180

ttatttgcat tctaactgtg ctatagtac ctctaagag aaagcgagtg acacatcccg 240

cgtgagcaaa cggaggaacg attataattcc tcaatgtcgc ccggcattag accaactgca 300

ctgggttaga tatggctgga aactataacc ctgtgacgcg catctgatta agggcccgca 360

gatcacacat atctgcacgt gagagggaaa cgcataatc gacaaaggtc ctttcttcaa 420

aacgaggtta tacatctcag gagagccatc tgcaacctgt gatgggcaag actcgacaca 480

aaataccc 488

<210> 23855

<211> 373

<212> DNA

<213> Glycine max

<400> 23855

agctagtaga acaaaatttc cttaatcatt ggcaaataatg catgtgaatt acgacgcatc 60

aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg gggcataaca caccaaata 120

ttataatgat ggatggctca aatgctcaca aaagtaaaat catcactttc aaattgagct 180

ttcaaaacta tcatgacatg tagagaagaa tcaaggattt caagtcacaa aatgtcaaga 240

acttttattt tcaaaacaat taccatttc ttgaacatat cctataattc aaagaaaaac 300

atgcaaagtc gtacgtgcac acaaaattga cccaaaatat taaactgaaa atccgacgaa 360

actaacaaca tta 373

<210> 23856

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23856

cacaaaaact caacttctaa gaaagtaggt gctaccatat gcctatgttt tgtntacgat 60

gtggcgattg aaccatcggt tcagtaagaa aataaacatc cgaatgctca caatcaaac 120

gtttagaatg accagcaaca aaatgctcac aatgcacaga atacacggaa tgctcaacat 180
gcacagaatg atcaggatgc gcactatgac taactaatct atgaaaagtc ctatctatct 240
taagaacgca ggggtgaaaa ataccaagat tgcccctagt acaggcacta tatgttgcaa 300
atcatgtatg tctaaaacaa ccaccaaagg taaaactaag ggtcaaacta ctatgatatc 360
caaatgagct gaaa 374

<210> 23857
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23857

acgagtgagc ctgaatcctt gtaacntcga ancactncng aacacgaccc accgggggan 60
ccagcaaagn caatcctgaa ggcgangcta tgtttttggt tatatatata aactacgaga 120
gcacattcga ggaaccaagt ggcgacactg cccaacatca caccctctca tctagtcacg 180
ccgatatcgc aacagcgaaa gctcacgaag ccctagctac atccccacac acgaagcaga 240
ccggctggag acgtggtgcg cctgctcaag tactcacaaa gcgagagcca actggggaac 300
gaaccgacaa gctcacgccg gtgcgagaag aaactgcat ggatcaggcc tggggaccgc 360
caaggcaccg aagccggcaa cgtcggagat catgttcgcg cgaacgaacg gccggcccaa 420
caaaacgccg tgacaaacca gccgagtcct gcgccacgag cgtggagaag ccgacgggat 480
cgcggaacctc aggcacacgg ttagggagca ccgcg 515

<210> 23858
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23858

cccgcacga attgggaaaa gcagaaatat gccgacacga aaaccacagg ggagctgaac 60
tggaactcga canaaataga gtgttacaca acacacacca cgcaggacac ttacattaa 120
gcggaaatgc caacggacca catgctacaa acgcccacaa ccccggtcc cgacaggaa 180
ccgcgaaccc cagtgaacag aacagcgtag tcagaaccgc agagagccag catggaccct 240

aacaggcac gccgacgcac aatgcacaga cctggaacac cagaacacac ccgcgagcca 300
 aagatcagat cgcacgctgc gtccagcgcc cgagctcatc tagatggcga atcaagagcg 360
 agcgaccaca ggaacgagga cctacgaccc cgtcatcagg tgacgcacca ttccaggacg 420
 gggcaggcaa aaagcaccac agcagacg 448

<210> 23859
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 23859

ggaatgactg atagctgaac gccggactaa cgacgagcgc gttggtacat ttaacccccc 60
 gctcgcaaat cgcctctttc agggactaac agactgcaag atgctatgcc ttggcaatgc 120
 aatttagcaa cgaattccca tagatacggg gacttggctc gaggcagtcg tatctacgtg 180
 caataactca ttcttgcgca cactacccaa tactgacctc ccatgagtcg acggcacccc 240

<210> 23860
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 23860

gtccctgact gtgacctgaa cacaacgacg acttgcagcc tagaactttc ttttttgaca 60
 cacaacacgc cacttctaga cacctgttag acggaccgtg tactgcaaat gtacgatttc 120
 caacttatag gatagtaacg actgccatct aaggaaactc ttactccata actcgtacgt 180
 ttagaactac tcagtatgac atgtaatcaa tatatcaggg tggatgatat tactttcttg 240
 tccatcctaa c 251

<210> 23861
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 23861

agcttttgac tgactatacc aagctctagg aaccagggac ggagaaagat ctatatatag 60
 gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcattgaaa agatatcaag gaaagggtgga aggtgtattt 180
ccacaactta tttaatgatg gatattggata tgactctagc agtctagaca caagagaaga 240
ggaccggaac tataagtact atcgtcggat tcagaaacag gaagtaaagg aagcggttgaa 300
aagaatgagt aatggtaagg cgggtggggcc agacaacata cctattgaag tgtggaaaac 360
tcttgagat 370

<210> 23862
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23862

tgtnttagaa ttgtgatgta aaggtagta ggaatgcctg catgttgctg agaacggaac 60
agcagccatt gctgcaagtt tttattcaat cagtgtgtct cagaggaaat accgaaatag 120
taacacacag aacagaaata atatttatgt aatgttgctt tgacttgtga agggagaaga 180
taagaataat gagtgaaaga ggaagtgtgt atgtgtctct gagtttgtct tcttatcttc 240
attaaatata tcatttcgag cacgagccaa aatattgggg tgtcactata cccattcatt 300
tttttgcgac actggttagc tggctcctct ttttcctttc gtgatcaaca ataactatga 360
ctgaactgca tgtccatgaa actagttgat gaccgaatca cccctcagat attttctg 418

<210> 23863
<211> 377
<212> DNA
<213> Glycine max

<400> 23863

ccgggatcct gtagacctac ctgccgaccg caagctttca attttttcta gtaccgtag 60
ggcgctcat tgggcttggc tcattgatat ggtcctatag gctacgtata tattcccat 120
gaacacgggc ttaaggcatt tgacttaaat catggctcgc ttaacttagt aattagattg 180
atttccaccg aacatttgaa ttatatgatc cgttcacttt ggataatata aattccgacc 240
gctcgttcgt gccttatcga cgttcgaaac atatgtgacg tcttaaaatg ttaagaaga 300
tctttgactg cctgaccatg aaacggcgga aatcagtcg gacgttggtt ctttgggatt 360

<210> 23864
 <211> 200
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23864

aactcgagct tctccccag ttatctataa gtagggggag aagtgatttc nagttggtgt 60
 gacccctta ggcgtactc tcgtcttct accgttcttc gacattcttc attcgtcctt 120
 catcgggct cagacttcaa cgggtagagg cgggggcccc aaacgatata ttcgtgcgat 180
 gtccccgagg cgaccctcaa 200

<210> 23865
 <211> 310
 <212> DNA
 <213> Glycine max
 <400> 23865

ggctcttata tgaactgaat cagagatcac ggactgagat ctctaagcac cgatttgcac 60
 ttaactggac caccgggtct ggggttcata tagaccctt aagctctcac aggggtaaca 120
 cgtttcctta cagagagtaa gctaacgggc tgaaaaccgg aacgcattac aaatacccca 180
 gccaagatt atatgcataa ccaaagtgc agacgcgcct gaaggagcta agcgtttaac 240
 ttcgatacct tgtgtcaaaa gaatgcatat ccgctgaagt aatcgatata tcggatatc 300
 caagaacctc 310

<210> 23866
 <211> 757
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23866

tctccactcc gcgtcgaca tctagtgtac acaatagtcg atactactga tgcaaatagt 60
 caacatttct ccncncanca agagcggtna antttgagac cgtagcacat accgagacac 120
 tnananaaga cnnaaacgct tgtgcaatcg agtaatacac agcgagcnag agcatacaac 180

tcatancgct ataccgtcta cacagagagt cggacgatct gaaacgcata gtacctcctg 240
 ctgagagaac aactaaccac caccatacac gcgtaataaa ctacagaaca cagtaacaca 300
 tactctatct gactagacta atgatagctg caacaaccgc aacatgacaa gcatcccgtg 360
 cacatgctaa caactatgcg cactgagctga acgacgcacg gcatgtcgat agcataatca 420
 tctataacat aactcgcacg gcacatacgt agcctagacg ccataacgac atcgaatcat 480
 gaatagagtc tcgtacaaca ataancaccg gacattgcgc acgctacgcg cactgcacgc 540
 tgccgagtcg tatgtcaaca tacaatcgac ctcatccagc aacaacatgg caccgcgaga 600
 naggctgacg aaacttatag cgagccacaa tacacatcat atatcactgc atcgancatg 660
 cactgtctgaa actatgcctg nogaatcata tatccgccga aacactcaat gaacatacga 720
 ccategccat acaacatcgt atagtaccaa catccgt 757

<210> 23867
 <211> 253
 <212> DNA
 <213> Glycine max

<400> 23867
 agaatactaa ctgaccgacc tcatgcacgg acttagcacg agtgagttaa ataaggacac 60
 aagagcaagg ggcattcacgc cactgccaat catagctcta acccatccga cgaccacgac 120
 tatacccaca cccaccatag ttaccggtgc acagtctcca ctcaacacag caacacataa 180
 caccacatac ccaagccagt tcgcaaacca ccacccacac cagtatctaa accgacatct 240
 aaaacttcgg ata 253

<210> 23868
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23868

ccacacctct catcaacagc gaggttaagga tgcactccta actcaccaca aggcgacttg 60
 aatgagtctg tcctccnac caganacact tacaggatct ggaatgcaca cagtagtatt 120
 acaatttaat atgcacacag agacatgaaa cgcattatgac aaaacagccc tcgaattaca 180
 aagagaacca cttgcccaaca aagaacggaa tacttacaac aatgcgtaac tagccgagta 240

cgatatgaca aagcggcgcg caatgggac ggcaaggaaa atgcatcaga catatctagt 300
 gtgaactaac cagcataacg cccgaaccaa gacatgaaca gatacaaaga ggccgactcc 360
 catcactgga acaactaaca gcagatgtga cgaccatcga aaggatcaca actcgaaaga 420
 tagacacgca tatgatactc gctcacgata aacggagnga ctagatgggt atcaagcgat 480
 gggct 485

<210> 23869
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 23869

gataatgac taactaacct aactcccgga cctgatacgg gcagctttgc tttatttacc 60
 aggccgacta atatattccc acacgggatta aggaccagaa ttaacacttt gcggaccgca 120
 cccaaatata tcttgctttg aggacttagt tcataagtca gacatactaa ctgcattgag 180
 ccatataact tcaaatacgaa gttctaaaac gcactgggtca tagcatgacc cgacgataca 240
 cttacttagc atagt 255

<210> 23870
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 23870

acacaaaaac gaacgacaca taaaggccag aaacatatta ttatggacac acacgcacaa 60
 agatggcagc aggcacaaaa aacgcactga taccagcaag aaaggaatag aatacgaaaa 120
 cgtgcgactg cgaataccta ccagaatacg caacgaaaac acttccgcat taagaacaga 180
 aacagggcgg gcaacgatcg gggagcggac tacacgagcc tgaaaagacc acac 234

<210> 23871
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23871

cacatctctc actataccag gtcacgatag tcaatgggaa cgctcccaa aaagagaagt 60
gagcctgaac atgnacaccc gactctagca agcacgcaga gaacgccagc agccacaact 120
tggattttta atgaagcacc cgaaccacga caggtacgat ccagacaagg cgcaccaagg 180
agaaagaaga aacagacaca tgccaacacc ctggcaagga gaacacgcag gggcgaggat 240
gacaagaacg aggacacggg gaagcggccc ccagccact aacgcgctta ggaagggcgt 300
agcacgcaac accgagaaga ggaccggacc taacgactct cgccggaaca caacagaggc 360
aacgacgcga gagaaaaaaaa gcagagaagc gaagggacga caagcccaga ggctgaggac 420
accaagaaag 430

<210> 23872
<211> 571
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23872

cgcgcatgcn nntttgaacc cttgattgcc ttcgactcac tctangagcg acattggagc 60
atcggccacg ccgagagact ccgtctggta gctcgtagca tgcagagcct tgcagagtct 120
tgcatcacta tacacacgag tgagtagtag tagacactct acatattgtt agagtatgaa 180
tagcactacg tcataacagt tacataactt atttcgcat acatagtctg ctgagagatt 240
taggaactgg aaactatcta tgaaatctga gaatatgcat cgaacggtgg tcagcataca 300
ctagtctctt tcagagcgag gacggtgctg aacgacgtag acatcgtcgt ggtatgccgt 360
ggttctcatc gataagagaa ctacgctgcg gnaagtctgc tcaccacagc cgtttaattt 420
cgagagacaa acagtctgga aataacacgg acaagacgc agatctatcg aacgttttta 480
gtgaataggt tccgtagttg tatttacaca cggcgaacgt attatcacc cacacgtccg 540
tcccattgga cggcagcctt tattcgatgt g 571

<210> 23873
<211> 415
<212> DNA
<213> Glycine max
<400> 23873

ccgcttttat ccatggactc ctatggaggc gagcttcttc atactcatct tctccttgaa 60

gtggcgtctc ctctctctct tacttataca ttccgctgcc attcatcttc caagaagcaa 120
 aggaatccat tgatgaagag gacccatgac ctacaagctc caatggagca tacatcatgt 180
 ggtatcaaga gcatcttcat ctaggcgatg ttcttttggc tctctatct tttgttccg 240
 agaattctct ttaattacct gttcttcac ttactctcca tgtatatact ccattgtctt 300
 gtgggttggg gtcggttaga gtagatccaa aacaaatcaa cggattaaat ttacatcta 360
 cacttggtca tgcacacctc tgggtcctac ttttgaaatc tactcttgaa tcatg 415

<210> 23874
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 23874
 agtttgcttc aaagagggcc aggaaggaca aggcagctta atgaactatt tccgctccgg 60
 agtatgatag tcaccgcttt atgagcgagg tacaccagca gcgcttcgaa gccgtcaagg 120
 ggtggtcggt tctccgggag cgacgcgtcc agttcagggc cgacgagtat actgatttcc 180
 aggaggaaat agggcgccgg cggtgggcac cactgggttac tcccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tatgccaatg cttgttcaac agaggaaggc gtgcgtgaca 300
 tgatatactg cgtagggggg tcagggtatcc cgttcgatgc cgactctatc ggc 353

<210> 23875
 <211> 200
 <212> DNA
 <213> Glycine max

<400> 23875
 aagggttatc ctctttttct attatattat tgaagctatg ccacatgtct ccctttgact 60
 ggagcaaata gggccactt taccttttga ctgtgaccca tactcatcct caaaagtggg 120
 gataatctgc cctttgacac gctctaattc tgcctcggat tgcgtgccat ttctatgggt 180
 acacctactc gcgtttcttt 200

<210> 23876
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 23876

atcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
gctttaagag taatgtccca ctaaaactaa ctttccaaat gtttgcttc gcaggaatgg 120
ccccgaggaa gcttgctca aagaggtcca ggaaggacaa tgcggccgaa ggaactagtt 180
ccgccccgga gtacgacagt caccgcttta cgagcgttgt acaccaacag cgcttcgaag 240
ccatcaaggg atggtcgttt ctccgggagc gacgcgtcca gctcatggac gacgagtata 300
ctgattttca agaggaaata tggcgccggc ggtgggcacc actggttact 350

<210> 23877

<211> 406

<212> DNA

<213> Glycine max

<400> 23877

tgccaccag ctcgcccagg cgatctaagt tgcttctcc agaagcaaca gccttctgga 60
gggccaagt gggcctggtt gctatttgca cccccatttt tactaaatac accccctgct 120
ttttttggtg attctttttc gtaaagttac agaaacttac gaatttcgta acgatacttg 180
ttttctttcc gtaatgttac ggaaccttgc ggattacata atcatcccct ttttgactta 240
cggaatgtta cggaacctca ctatttgtgc aacgatgctt ccttttgatt tctgggtgtg 300
cacggaacct tacggattgt gcatcaatat tttcttttga tttccggcac gtcacggaat 360
ttcacaaatt gcctaataat gggtgccaag cacctcataa tgacca 406

<210> 23878

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23878

agcttggtgt tctccattgc actgaagacc gtgacaggta cgtttcatct acctgtgttg 60
ntctattgaa ctaaagaccg tgaccgtgct aggtctgttt ctggaactcg tggtaagct 120
aaggactttt tttggttttt ggtgcaagga ttggcaaact ggtggtcacc tgaggtacat 180
ttgactggta gtacgtggtc tttgtggta gctgaggtag atttcaccta aggtacaatc 240

tcgccggcat tgttgctgtt gggttcgagg taagcttcat gtcttcattg taactttgtg 300
 cttccgcgta tgtggctctt gtgctctttg ttcttacaga ttgtagata gtttttaaat 360
 tagttattac t 371

<210> 23879
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23879

agagcatggt ttnttttgat accatgctat gtacgcgaca ctatagaata ctaccgctta 60
 gcatcactct taatnttatt aatttgagct ttatgtgcta atggaggaaa aacagaagca 120
 accaaataat tcacaatatt ggaaaactag ggagtgggga aggaatcaga aatactatac 180
 agaatgtaca aatggtcatt cagaaaaatca tcccgaatag gtgagtcctt agacacacgc 240
 tcaatcctac tcaagtggc aaccacaagg ttctgtgcac cgctccgac acggatctcc 300
 aatcaaact cttggagcca aagcatccac ctaatcaatc taggctttga ttcagccttc 360
 ttcaacaggt acttcagagc tgcattgcta gtataaaca taacacgagt accaagtaat 420
 tatgaatgaa atttctcaag aggaaaaaca tngctaatac ctccttctca tggatatn 478

<210> 23880
 <211> 351
 <212> DNA
 <213> Glycine max
 <400> 23880

agctataagt attgaaagaa ttaggatggg cataaatgtc tccgcattga ttggaaaatc 60
 tggtcccaa atccctgaaa aatgtaaaga tccaggtaca ttcagcatac cttgattata 120
 gggaacaata attttgacag tgccatgcta gatttatgag cttccggtag tgttatgcct 180
 ctgtctatct ttaattctct ctctctaagt gcattgcaga caattgatgt ggtaattctc 240
 tctaagtgtc ttgcagacaa ttgatgtggt aattcattta actaatagaa gtgttgccca 300
 tctgtctgga ctcataaagg atgtcttagc taaagttggc gaactggata t 351

<210> 23881
 <211> 319

<212> DNA
 <213> Glycine max

<400> 23881

aaactaagct ttaccataa ttccactaaa ttagggcaaa tatgcttga atttaatttc 60
 ctcttatgaa tgatgctctc ctacaaccta agacaacgta taaggatata aactgtacat 120
 gctcaagggt caatcgagca atcactactt catctcataa tgggtgcaag ggataaatca 180
 atcatgcaca aggtaagctt tttagctaaa tggctatctt gaatcaaac atggccttca 240
 tctctcaaaa ctcatgtttc attccatact cagagattca tgcaaaagcc attacttact 300
 gctagtcttc tctacaatt 319

<210> 23882
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23882

agttttggct tcttgattaa gctcactgat gaacttcaat ggagactgcc agacaagagg 60
 ttctgcagat gtaagattta gcaatgatgc acaggctcca tgtttgtgtt tcagagcaac 120
 catatatggg atccgcctgc ataaacacac caatcaggaa ttcttataat atacaatgag 180
 gaaaagatgc agggctaaac ataaaagcta tgaacccaat ctaccaataa atggccaaat 240
 cgttaaatga ggaaagttgc aataggaaaa tgccagatat gagtacagga aagggcccat 300
 caaaacaagg gatggaatta tcatatcaga gattctagaa taacacagat aaaataatca 360
 ataaccaa 368

<210> 23883
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23883

ntgggagggc acatgagata gcatagaact gctatTTTTg atggtttgtt gtgtggtaaa 60
 ccttcttctt cgttgtccat ctgaaggaa tcatcgaaag atggtgatca aaagttgaat 120
 ttgcgcttgg acttgaactt gacgccattg gaggaggatg atcttaagct caacctaagg 180

acgcccgtgc tcaattgttt catttgattg gaaattaatt ttgtactaaa ccagattctt 240
 tttttcttat taatatagtt aatgtgtatt tttcgtaatt tattattata cgtacgacct 300
 ataggtagct cttttttag tcatattgtg ttcataatac gaaacttctt agttcttctc 360
 cagttttgct gactgactgg cgggctaccg catataattc ttattttctg gaaaatgg 418

<210> 23884
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23884

agcttatttc ttattcattc attctcttga attgcttggt gttggttact ttgtaaaatt 60
 gggagggttg catgcaagga tttcctatgc ctagctaatt catcataaat gatttgaagt 120
 gatgatattg agtggtgctc taagttgcaa gtagaatgaa caaatgaat gagttggtgg 180
 tatgacctat aagtgaattg ttgttgtaga atgcccttgt atttgggtaa gattctgtga 240
 accactgtga tctatatact ttttagtttg atttagaaat tggttacaat gtgtggctat 300
 gtgtttaatt tcaaacaaaa caagagtga ctttttttca tgtagctaac atttttggtg 360
 cttttttt 368

<210> 23885
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23885

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 caagtacatt ggatttggtg cgacctcgcc ctctaatctt ccagctgggg aattggcgag 120
 tggaggagcg ccccgacatt tacgtagcga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctagtc ttttagagttt ttcttttggt taaggctttg tgtatttttt 240
 tttttttata atacaaggat ctttcttcat ctgttcttac gtctctaccc attctcatcc 300
 atttgcattg ttacttcttt acttttttaa acggcagatc cgatgacgag tccctcgaag 360
 gtactaatac ctgggacccg cctatcaact tcgagcaaga aatgaatcaa gcggaa 416

<210> 23886
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23886

agcttctagc tctataatat tatattctat cttactttcc tttctcctcc tcccccatgt 60
 tctcttcact ttccttctct ccccccatg ttttgtcttt ctttcttttc tgattacgca 120
 ctcaactaca tgcattgtga acaactaaaa taattaatat aactatttta aaaccattac 180
 taaagctttt tttcataata gcgttttttag cacttttatt aagacaaccc taactactaca 240
 atctatatcc cgtgcatgtc atcccatatg tggctagagg tttgtattgt gttgtgggtca 300
 aggctgctta cgcactagtg ttctctgatga aactactaca tttctacagt tgccacttta 360
 gaattttg 368

<210> 23887
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 23887

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<223> unsure at all n locations
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